Exons	396..647, 397..777, 421..702		
Seq. No.	1922	Seq. ID	OJ990803_07.9B19.C8
Gene No.	3994	Strand	-
Start	4661	End	9562
Name	OJ990803_07.9B19.C8.o2.ts	Method	TBLASTX:Soybean
Start	1843	End	3733
GI	none	Score	181
Exons	1843..2067, 1846..2031, 1860..2075, 2073..2186, 2101..2169, 2244..2369, 2257..2370, 2267..2377, 2302..2376, 3472..3594, 3475..3582, 3595..3696, 3614..3733		
Seq. No.	1922	Seq. ID	OJ990803_07.9B19.C8
Gene No.	3994	Strand	-
Start	4661	End	9562
Name	OJ990803_07.9B19.C8.o1.tm	Method	TBLASTX:Maize
Start	1858	End	3534
GI	none	Score	190
Exons	1858..2031, 1860..2186, 2080..2169, 2259..2360, 2259..2369, 2260..2370, 3472..3534, 3475..3534		
Seq. No.	1922	Seq. ID	OJ990803_07.9B19.C8
Gene No.	3994	Strand	-
Start	4661	End	9562
Name	OJ990803_07.9B19.C8.o3.tc	Method	TBLASTX:Cress
Start	1860	End	2036
GI	none	Score	76
Exons	1860..2036, 1862..1960, 1864..2034		
Seq. No.	1922	Seq. ID	OJ990803_07.9B19.C8
Gene No.	3994	Strand	-
Start	4661	End	9562
Name	OJ990803_07.9B19.C8.o2.tc	Method	TBLASTX:Cress
Start	3481	End	3694
GI	none	Score	121
Exons	3481..3693, 3491..3694		
Seq. No.	1922	Seq. ID	OJ990803_07.9B19.C8
Gene No.	3994	Strand	-
Start	4661	End	9562
Name	OJ990803_07.9B19.C8.o6.tm	Method	TBLASTX:Maize
Start	3538	End	3754
GI	none	Score	160
Exons	3538..3696, 3566..3754		
Seq. No.	1922	Seq. ID	OJ990803_07.9B19.C8
Gene No.	3994	Strand	-
Start	4661	End	9562
Name	OJ990803_07.9B19.C8.o3.gs	Method	GENSCAN
Start	4661	End	9562
GI	none	Score	.44
Exons	4661..5121, 6526..6823, 7622..7735, 7873..8100, 8271..8507, 9464..9562		
Seq. No.	1922	Seq. ID	OJ990803_07.9B19.C8
Gene No.	3994	Strand	-
Start	4661	End	9562

Name	OJ990803_07.9B19.C8.o3.np	Method	AAT/NAP
Start	4883	End	9092
GI	3075399	Score	444
Exons	4883..4989, 6361..6801, 7570..7735, 7873..8100, 8271..8446, 8988..9092		
GI Descrip.	(AC004484) putative SF16 protein {Helianthus annuus} [Arabidopsis thaliana]		

Seq. No.	1922	Seq. ID	OJ990803_07.9B19.C8
Gene No.	3994	Strand	-
Start	4661	End	9562
Name	OJ990803_07.9B19.C8.o4.tm	Method	TBLASTX:Maize
Start	6121	End	6745
GI	none	Score	37
Exons	6121..6147, 6144..6209, 6148..6210, 6364..6417, 6365..6433, 6442..6744, 6450..6743, 6467..6745		

Seq. No.	1922	Seq. ID	OJ990803_07.9B19.C8
Gene No.	3994	Strand	-
Start	4661	End	9562
Name	OJ990803_07.9B19.C8.o2.tw	Method	TBLASTX:Wheat
Start	6425	End	6840
GI	none	Score	291
Exons	6425..6478, 6427..6840, 6427..6816, 6575..6817, 6687..6839		

Seq. No.	1922	Seq. ID	OJ990803_07.9B19.C8
Gene No.	3994	Strand	-
Start	4661	End	9562
Name	OJ990803_07.9B19.C8.o5.tm	Method	TBLASTX:Maize
Start	6746	End	9101
GI	none	Score	70
Exons	6746..6796, 6746..6796, 6747..6797, 7626..7745, 7627..7746, 7871..8077, 7872..8096, 7873..8097, 8264..8434, 8270..8332, 8277..8417, 9012..9098, 9043..9099, 9048..9101		

Seq. No.	1922	Seq. ID	OJ990803_07.9B19.C8
Gene No.	3994	Strand	-
Start	4661	End	9562
Name	OJ990803_07.9B19.C8.o4.gp	Method	AAT/GAP
Start	7590	End	8335
GI	2427772	Score	727
Exons	7590..7735, 7873..8100, 8271..8335		
GI Descrip.	3075399 3.0e-16 (AC004484) SF16-like protein [Arabidopsis thaliana]		

Seq. No.	1923	Seq. ID	OJ990803_07.9B19.C9
Gene No.	3995	Strand	+
Start	2059	End	10045
Name	OJ990803_07.9B19.C9.o1.gs	Method	GENSCAN
Start	2059	End	10045
GI	none	Score	.7
Exons	2059..2166, 3034..3039, 3464..3625, 4577..4739, 4826..4964, 5057..5333, 5439..5637, 5767..6088, 7097..7175, 9358..9461, 9946..10045		

Seq. No.	1923	Seq. ID	OJ990803_07.9B19.C9
Gene No.	3995	Strand	+

Start	2059	End	10045
Name	OJ990803_07.9B19.C9.o1.gp	Method	AAT/GAP
Start	3410	End	6303
GI	1190_2.R1084	Score	2939
Exons	3410..3625, 4577..4739, 4826..4964, 5057..5333, 5439..5637, 5767..6303		
GI Descrip.	'1125691/emb|CAA63965| 0.0e+00 (X94301) DnaJ protein [Solanum tuberosum]'		

Seq. No.	1923	Seq. ID	OJ990803_07.9B19.C9
Gene No.	3995	Strand	+
Start	2059	End	10045
Name	OJ990803_07.9B19.C9.o1.np	Method	AAT/NAP
Start	3476	End	6089
GI	1169382	Score	1789
Exons	3476..3625, 4577..4741, 4825..4964, 5057..5333, 5439..5637, 5767..6089		
GI Descrip.	DNAJ PROTEIN HOMOLOG 2 gi|542196|pir||S42031 LDJ2 protein - leek gi|454303|emb|CAA54720| (X77632) LDJ2 [Allium porrum]		

Seq. No.	1923	Seq. ID	OJ990803_07.9B19.C9
Gene No.	3996	Strand	-
Start	10351	End	10664
Name	OJ990803_07.9B19.C9.o2.gp	Method	AAT/GAP
Start	10351	End	10664
GI	5607599	Score	597
Exons	10351..10664		

Seq. No.	1923	Seq. ID	OJ990803_07.9B19.C9
Gene No.	3997	Strand	-
Start	10992	End	11282
Name	OJ990803_07.9B19.C9.o1.tm	Method	TBLASTX:Maize
Start	3372	End	6097
GI	none	Score	45
Exons	3372..3413, 3373..3411, 3402..3440, 3403..3435, 3473..3640, 3475..3639, 4560..4730, 4574..4708, 4574..4732, 4576..4731, 4826..4963, 4827..4964, 4861..4965, 4864..4968, 5057..5332, 5060..5230, 5100..5234, 5283..5333, 5293..5334, 5432..5635, 5437..5676, 5439..5636, 5793..5954, 5795..5914, 5795..5983, 5796..5984, 6056..6097		

Seq. No.	1923	Seq. ID	OJ990803_07.9B19.C9
Gene No.	3997	Strand	-
Start	10992	End	11282
Name	OJ990803_07.9B19.C9.o2.tw	Method	TBLASTX:Wheat
Start	3473	End	4708
GI	none	Score	259
Exons	3473..3640, 3473..3562, 3475..3639, 3681..3713, 4560..4673, 4574..4684, 4574..4684, 4679..4708		

Seq. No.	1923	Seq. ID	OJ990803_07.9B19.C9
Gene No.	3997	Strand	-
Start	10992	End	11282
Name	OJ990803_07.9B19.C9.o1.ts	Method	TBLASTX:Soybean
Start	3487	End	6091
GI	none	Score	71
Exons	3487..3531, 3488..3532, 3533..3583, 3562..3639, 3563..3640,		

4557..4673, 4574..4675, 4574..4690, 4682..4708, 4691..4735,
4814..4966, 4824..4964, 4860..4967, 4861..4965, 4864..4968,
5057..5119, 5059..5220, 5060..5170, 5100..5234, 5146..5223,
5228..5332, 5283..5333, 5293..5340, 5432..5521, 5439..5510,
5492..5635, 5498..5587, 5499..5636, 5503..5640, 5727..5984,
5765..5983, 6056..6091

Seq. No.	1923	Seq. ID	OJ990803_07.9B19.C9
Gene No.	3997	Strand	-
Start	10992	End	11282
Name	OJ990803_07.9B19.C9.o1.tc	Method	TBLASTX:Cress
Start	3493	End	5984
GI	none	Score	209

Exons 3493..3639, 3494..3640, 4574..4708, 4574..4732, 4575..4724,
4582..4725, 4714..4740, 4820..4957, 4860..4967, 4861..4965,
5054..5230, 5055..5207, 5060..5332, 5100..5234, 5283..5333,
5432..5635, 5435..5587, 5439..5636, 5724..5984, 5765..5908

Seq. No.	1923	Seq. ID	OJ990803_07.9B19.C9
Gene No.	3997	Strand	-
Start	10992	End	11282
Name	OJ990803_07.9B19.C9.o1.tw	Method	TBLASTX:Wheat
Start	4850	End	5984
GI	none	Score	90

Exons 4850..4927, 4857..4964, 4860..4964, 4861..4965, 4864..4968,
5057..5212, 5057..5170, 5100..5234, 5130..5216, 5228..5332,
5283..5333, 5293..5349, 5432..5635, 5435..5587, 5437..5643,
5439..5636, 5727..5984, 5765..5926, 5772..5954

Seq. No.	1923	Seq. ID	OJ990803_07.9B19.C9
Gene No.	3997	Strand	-
Start	10992	End	11282
Name	OJ990803_07.9B19.C9.o3.gp	Method	AAT/GAP
Start	10992	End	11282
GI	62293_1.R1084	Score	517

Exons 10992..11282

GI Descrip. '6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'

Seq. No.	1924	Seq. ID	OJ990803_07.9B19.C10
Gene No.	3998	Strand	+
Start	2435	End	7940
Name	OJ990803_07.9B19.C10.o1.np	Method	AAT/NAP
Start	2435	End	7940
GI	5922631	Score	5842

Exons 2435..2559, 2818..3062, 3321..3523, 3569..4140, 4183..4334,
4461..5386, 5993..7940

GI Descrip. (AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ

Seq. No.	1924	Seq. ID	OJ990803_07.9B19.C10

Gene No.	3998	Strand	+
Start	2435	End	7940
Name	OJ990803_07.9B19.C10.o2.gs	Method	GENSCAN
Start	2435	End	7875
GI	none	Score	.68
Exons	2435..3101, 3306..4334, 4461..4675, 4766..4858, 4864..5378, 5475..5748, 5956..6129, 6439..6545, 6618..7614, 7699..7875		

Seq. No.	1924	Seq. ID	OJ990803_07.9B19.C10
Gene No.	3999	Strand	-
Start	730	End	1893
Name	OJ990803_07.9B19.C10.o1.gs	Method	GENSCAN
Start	730	End	1893
GI	none	Score	.8
Exons	730..1118, 1485..1603, 1844..1893		

Seq. No.	1924	Seq. ID	OJ990803_07.9B19.C10
Gene No.	4000	Strand	-
Start	1974	End	2733
Name	OJ990803_07.9B19.C10.o1.gp	Method	AAT/GAP
Start	1974	End	2733
GI	5816562	Score	646
Exons	1974..2388, 2710..2733		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	1924	Seq. ID	OJ990803_07.9B19.C10
Gene No.	4001	Strand	
Start	3745	End	4147
Name	OJ990803_07.9B19.C10.o6.tw	Method	TBLASTX:Wheat
Start	3745	End	4147
GI	none	Score	283
Exons	3745..4014, 3746..4147		

Seq. No.	1924	Seq. ID	OJ990803_07.9B19.C10
Gene No.	4002	Strand	
Start	4727	End	5403
Name	OJ990803_07.9B19.C10.o5.tw	Method	TBLASTX:Wheat
Start	4727	End	5403
GI	none	Score	106
Exons	4727..4855, 4947..5183, 4951..5181, 5230..5403		

Seq. No.	1924	Seq. ID	OJ990803_07.9B19.C10
Gene No.	4002	Strand	
Start	4727	End	5403
Name	OJ990803_07.9B19.C10.o5.tm	Method	TBLASTX:Maize
Start	5034	End	5211
GI	none	Score	187
Exons	5034..5180, 5035..5211		

Seq. No.	1924	Seq. ID	OJ990803_07.9B19.C10
Gene No.	4003	Strand	
Start	5403	End	5889
Name	OJ990803_07.9B19.C10.o1.tw	Method	TBLASTX:Wheat
Start	5403	End	5859
GI	none	Score	496
Exons	5403..5858, 5404..5859		

Seq. No.	1924	Seq. ID	OJ990803_07.9B19.C10
Gene No.	4003	Strand	
Start	5403	End	5889
Name	OJ990803_07.9B19.C10.o3.ts	Method	TBLASTX:Soybean
Start	5443	End	5808
GI	none	Score	138
Exons	5443..5667, 5674..5808		

Seq. No.	1924	Seq. ID	OJ990803_07.9B19.C10
Gene No.	4003	Strand	
Start	5403	End	5889
Name	OJ990803_07.9B19.C10.o2.tm	Method	TBLASTX:Maize
Start	5533	End	5889
GI	none	Score	350
Exons	5533..5889, 5574..5867		

Seq. No.	1924	Seq. ID	OJ990803_07.9B19.C10
Gene No.	4004	Strand	
Start	5917	End	6444
Name	OJ990803_07.9B19.C10.o3.tm	Method	TBLASTX:Maize
Start	5917	End	6300
GI	none	Score	312
Exons	5917..6300, 5926..6252, 6021..6299		

Seq. No.	1924	Seq. ID	OJ990803_07.9B19.C10
Gene No.	4004	Strand	
Start	5917	End	6444
Name	OJ990803_07.9B19.C10.o2.tw	Method	TBLASTX:Wheat
Start	5974	End	6398
GI	none	Score	409
Exons	5974..6393, 6018..6398, 6075..6395		

Seq. No.	1924	Seq. ID	OJ990803_07.9B19.C10
Gene No.	4004	Strand	
Start	5917	End	6444
Name	OJ990803_07.9B19.C10.o1.ts	Method	TBLASTX:Soybean
Start	6052	End	6444
GI	none	Score	269
Exons	6052..6408, 6069..6212, 6085..6444		

Seq. No.	1924	Seq. ID	OJ990803_07.9B19.C10
Gene No.	4005	Strand	
Start	6469	End	6687
Name	OJ990803_07.9B19.C10.o7.tw	Method	TBLASTX:Wheat
Start	6469	End	6687
GI	none	Score	202
Exons	6469..6687		

Seq. No.	1924	Seq. ID	OJ990803_07.9B19.C10
Gene No.	4006	Strand	
Start	6679	End	7110
Name	OJ990803_07.9B19.C10.o2.ts	Method	TBLASTX:Soybean
Start	6679	End	7067
GI	none	Score	264
Exons	6679..7065, 6687..6782, 6819..7067		

Seq. No.	1924	Seq. ID	OJ990803_07.9B19.C10
Gene No.	4006	Strand	
Start	6679	End	7110
Name	OJ990803_07.9B19.C10.o3.tw	Method	TBLASTX:Wheat
Start	6688	End	7110
GI	none	Score	404
Exons	6688..7110, 6693..7034		

Seq. No.	1924	Seq. ID	OJ990803_07.9B19.C10
Gene No.	4006	Strand	
Start	6679	End	7110
Name	OJ990803_07.9B19.C10.o4.tm	Method	TBLASTX:Maize
Start	6741	End	7014
GI	none	Score	127
Exons	6741..6791, 6742..6912, 6769..6897, 6916..7014, 6948..7013		

Seq. No.	1924	Seq. ID	OJ990803_07.9B19.C10
Gene No.	4007	Strand	
Start	7126	End	7425
Name	OJ990803_07.9B19.C10.o8.tw	Method	TBLASTX:Wheat
Start	7126	End	7425
GI	none	Score	139
Exons	7126..7260, 7128..7259, 7314..7382, 7327..7425		

Seq. No.	1924	Seq. ID	OJ990803_07.9B19.C10
Gene No.	4008	Strand	
Start	7422	End	7817
Name	OJ990803_07.9B19.C10.o1.tm	Method	TBLASTX:Maize
Start	7422	End	7785
GI	none	Score	424
Exons	7422..7745, 7423..7746, 7738..7785		

Seq. No.	1924	Seq. ID	OJ990803_07.9B19.C10
Gene No.	4008	Strand	
Start	7422	End	7817
Name	OJ990803_07.9B19.C10.o4.tw	Method	TBLASTX:Wheat
Start	7428	End	7817
GI	none	Score	395
Exons	7428..7739, 7429..7815, 7624..7797, 7770..7817		

Seq. No.	1925	Seq. ID	OJ990803_07.9B19.C11
Gene No.	4009	Strand	+
Start	3484	End	3894
Name	OJ990803_07.9B19.C11.o1.gp	Method	AAT/GAP
Start	3484	End	3894
GI	5816562	Score	638
Exons	3484..3894		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	1925	Seq. ID	OJ990803_07.9B19.C11
Gene No.	4010	Strand	+
Start	4731	End	5202
Name	OJ990803_07.9B19.C11.o3.gs	Method	GENSCAN
Start	4731	End	5202
GI	none	Score	.5
Exons	4731..4888, 5151..5202		

Seq. No.	1925	Seq. ID	OJ990803_07.9B19.C11
Gene No.	4011	Strand	+
Start	9625	End	10260
Name	OJ990803_07.9B19.C11.o3.np	Method	AAT/NAP
Start	9476	End	10260
GI	4510378	Score	401
Exons	9476..9522, 9690..9865, 9899..9978, 10024..10260		
GI Descrip.	(AC007017) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	1925	Seq. ID	OJ990803_07.9B19.C11
Gene No.	4011	Strand	+
Start	9625	End	10260
Name	OJ990803_07.9B19.C11.o5.gs	Method	GENSCAN
Start	9625	End	10251
GI	none	Score	.7
Exons	9625..10251		

Seq. No.	1925	Seq. ID	OJ990803_07.9B19.C11
Gene No.	4012	Strand	+
Start	13137	End	15432
Name	OJ990803_07.9B19.C11.o2.gp	Method	AAT/GAP
Start	13029	End	15413
GI	54546_1.R1084	Score	948
Exons	13029..13239, 13341..13442, 15011..15168, 15325..15413		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	1925	Seq. ID	OJ990803_07.9B19.C11
Gene No.	4012	Strand	+
Start	13137	End	15432
Name	OJ990803_07.9B19.C11.o6.gs	Method	GENSCAN
Start	13137	End	15432
GI	none	Score	.93
Exons	13137..13239, 13341..13442, 15011..15168, 15325..15432		

Seq. No.	1925	Seq. ID	OJ990803_07.9B19.C11
Gene No.	4012	Strand	+
Start	13137	End	15432
Name	OJ990803_07.9B19.C11.o4.np	Method	AAT/NAP
Start	13149	End	15429
GI	6671934	Score	339
Exons	13149..13239, 13341..13442, 15011..15168, 15325..15429		
GI Descrip.	(AC016795) unknown protein [Arabidopsis thaliana]		

Seq. No.	1925	Seq. ID	OJ990803_07.9B19.C11
Gene No.	4013	Strand	-
Start	1	End	2446
Name	OJ990803_07.9B19.C11.o1.np	Method	AAT/NAP
Start	1	End	2446
GI	6691716	Score	1930
Exons	1..163, 313..408, 483..670, 748..927, 1006..1106, 1183..1360, 1558..2446		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	1925	Seq. ID	OJ990803_07.9B19.C11
Gene No.	4013	Strand	-
Start	1	End	2446
Name	OJ990803_07.9B19.C11.o1.gs	Method	GENSCAN
Start	43	End	2446
GI	none	Score	.8
Exons	43..147, 219..408, 483..682, 748..1106, 1183..1501, 1558..2446		

Seq. No.	1925	Seq. ID	OJ990803_07.9B19.C11
Gene No.	4014	Strand	-
Start	3846	End	6315
Name	OJ990803_07.9B19.C11.o2.tw	Method	TBLASTX:Wheat
Start	2036	End	2326
GI	none	Score	54
Exons	2036..2326, 2073..2186		

Seq. No.	1925	Seq. ID	OJ990803_07.9B19.C11
Gene No.	4014	Strand	-
Start	3846	End	6315
Name	OJ990803_07.9B19.C11.o2.np	Method	AAT/NAP
Start	3779	End	6183
GI	118124	Score	91
Exons	3779..3816, 5572..5808, 6095..6183		
GI Descrip.	CYSTEINE PROTEINASE EP-B 4 PRECURSOR gi|82386|pir||JQ1110 cysteine proteinase (EC 3.4.22.-) EP-B 4 precursor - barley gi|1146118 (U19384) cysteine proteinase EPB2 precursor [Hordeum vulgare]		

Seq. No.	1925	Seq. ID	OJ990803_07.9B19.C11
Gene No.	4014	Strand	-
Start	3846	End	6315
Name	OJ990803_07.9B19.C11.o2.gs	Method	GENSCAN
Start	3846	End	4034
GI	none	Score	.93
Exons	3846..4034		

Seq. No.	1925	Seq. ID	OJ990803_07.9B19.C11
Gene No.	4014	Strand	-
Start	3846	End	6315
Name	OJ990803_07.9B19.C11.o4.gs	Method	GENSCAN
Start	5475	End	6315
GI	none	Score	1
Exons	5475..5869, 6027..6315		

Seq. No.	1925	Seq. ID	OJ990803_07.9B19.C11
Gene No.	4015	Strand	
Start	13221	End	15414
Name	OJ990803_07.9B19.C11.o1.tm	Method	TBLASTX:Maize
Start	13221	End	15414
GI	none	Score	38
Exons	13221..13244, 13349..13447, 13351..13446, 15009..15167, 15010..15174, 15321..15407, 15325..15414		

Seq. No.	1925	Seq. ID	OJ990803_07.9B19.C11
Gene No.	4015	Strand	
Start	13221	End	15414

Name	OJ990803_07.9B19.C11.o1.tw	Method	TBLASTX:Wheat
Start	13343	End	15378
GI	none	Score	55
Exons	13343..13396, 13343..13408, 13387..13446, 13388..13447, 15009..15167, 15009..15167, 15010..15174, 15010..15168, 15325..15378		

Seq. No.	1926	Seq. ID	OJ990803_07.9B19.C12
Gene No.	4016	Strand	+
Start	763	End	4411
Name	OJ990803_07.9B19.C12.o1.gs	Method	GENSCAN
Start	763	End	4411
GI	none	Score	.94
Exons	763..800, 1349..1517, 2274..2561, 2667..2783, 3130..3828, 3920..4411		

Seq. No.	1926	Seq. ID	OJ990803_07.9B19.C12
Gene No.	4017	Strand	-
Start	4957	End	5764
Name	OJ990803_07.9B19.C12.o1.tm	Method	TBLASTX:Maize
Start	1349	End	2562
GI	none	Score	131
Exons	1349..1525, 1350..1520, 2284..2451, 2286..2423, 2392..2562, 2421..2561, 2422..2562		

Seq. No.	1926	Seq. ID	OJ990803_07.9B19.C12
Gene No.	4017	Strand	-
Start	4957	End	5764
Name	OJ990803_07.9B19.C12.o2.gs	Method	GENSCAN
Start	4957	End	5609
GI	none	Score	.41
Exons	4957..5609		

Seq. No.	1926	Seq. ID	OJ990803_07.9B19.C12
Gene No.	4017	Strand	-
Start	4957	End	5764
Name	OJ990803_07.9B19.C12.o2.tm	Method	TBLASTX:Maize
Start	5291	End	5764
GI	none	Score	57
Exons	5291..5428, 5302..5472, 5352..5486, 5565..5672, 5566..5655, 5584..5739, 5586..5675, 5648..5764, 5653..5754		

Seq. No.	1927	Seq. ID	OJ990803_07.9B19.C13
Gene No.	4018	Strand	+
Start	1	End	942
Name	OJ990803_07.9B19.C13.o1.np	Method	AAT/NAP
Start	1	End	942
GI	6119519	Score	250
Exons	1..942		
GI Descrip.	(AC011560) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1927	Seq. ID	OJ990803_07.9B19.C13
Gene No.	4019	Strand	-
Start	141	End	1768
Name	OJ990803_07.9B19.C13.o1.tm	Method	TBLASTX:Maize
Start	3	End	1320
GI	none	Score	83

Exons 3..95, 3..74, 3..68, 5..79, 6..143, 6..110, 12..95, 18..161, 39..233, 39..182, 39..95, 93..116, 126..188, 147..188, 147..185, 147..188, 150..188, 183..239, 183..233, 183..299, 183..236, 183..290, 189..293, 195..380, 198..275, 237..278, 243..326, 288..332, 336..467, 336..464, 344..475, 471..545, 550..669, 557..631, 558..653, 636..701, 636..713, 637..702, 699..833, 705..830, 706..837, 773..838, 833..946, 834..947, 841..969, 1039..1071, 1126..1182, 1138..1209, 1171..1218, 1172..1216, 1255..1317, 1288..1320

Seq. No.	1927	Seq. ID	OJ990803_07.9B19.C13
Gene No.	4019	Strand	-
Start	141	End	1768
Name	OJ990803_07.9B19.C13.o1.gs	Method	GENSCAN
Start	141	End	1768
GI	none	Score	.69
Exons	141..613, 704..826, 1544..1560, 1698..1768		

Seq. No.	1928	Seq. ID	OJ990803_07.9B19.C14
Gene No.	4020	Strand	+
Start	132	End	466
Name	OJ990803_07.9B19.C14.o1.gp	Method	AAT/GAP
Start	132	End	466
GI	2443140	Score	657
Exons	132..466		

Seq. No.	1928	Seq. ID	OJ990803_07.9B19.C14
Gene No.	4021	Strand	+
Start	798	End	3950
Name	OJ990803_07.9B19.C14.o1.gs	Method	GENSCAN
Start	798	End	3788
GI	none	Score	.98
Exons	798..1659, 2103..2246, 2368..2520, 2644..2759, 3027..3194, 3307..3531, 3657..3788		

Seq. No.	1928	Seq. ID	OJ990803_07.9B19.C14
Gene No.	4021	Strand	+
Start	798	End	3950
Name	OJ990803_07.9B19.C14.o1.np	Method	AAT/NAP
Start	798	End	3950
GI	3320104	Score	2228
Exons	798..1659, 2103..2246, 2368..2520, 2644..2759, 3027..3194, 3307..3531, 3657..3770, 3878..3950		
GI Descrip.	(AJ007366) calcium-dependent protein kinase [Zea mays]		

Seq. No.	1928	Seq. ID	OJ990803_07.9B19.C14
Gene No.	4021	Strand	+
Start	798	End	3950
Name	OJ990803_07.9B19.C14.o2.gp	Method	AAT/GAP
Start	1461	End	2422
GI	LIB3434-043-P1-K1-E11	Score	660
Exons	1461..1659, 2103..2245, 2366..2422		
GI Descrip.	'3320104/emb|CAA07481| 6.0e-56 (AJ007366) calcium-dependent protein kinase [Zea mays]'		

Seq. No.	1928	Seq. ID	OJ990803_07.9B19.C14
Gene No.	4021	Strand	+

Start	798	End	3950
Name	OJ990803_07.9B19.C14.o3.gp	Method	AAT/GAP
Start	3377	End	3733
GI	LIB3433-044-P1-K1-F12	Score	610
Exons	3377..3733		
GI Descrip.	'3320104/emb|CAA07481| 5.0e-14 (AJ007366) calcium-dependent protein kinase [Zea mays]'		

Seq. No.	1928	Seq. ID	OJ990803_07.9B19.C14
Gene No.	4022	Strand	-
Start	5442	End	8739
Name	OJ990803_07.9B19.C14.o1.tc	Method	TBLASTX:Cress
Start	798	End	3739
GI	none	Score	52
Exons	798..824, 827..856, 828..878, 983..1015, 984..1010, 1131..1673, 1214..1675, 2092..2244, 2099..2245, 2118..2249, 2364..2519, 2366..2506, 2376..2525, 2646..2762, 2648..2764, 3024..3194, 3026..3193, 3306..3479, 3307..3531, 3656..3739, 3657..3701		

Seq. No.	1928	Seq. ID	OJ990803_07.9B19.C14
Gene No.	4022	Strand	-
Start	5442	End	8739
Name	OJ990803_07.9B19.C14.o2.ts	Method	TBLASTX:Soybean
Start	1158	End	3716
GI	none	Score	617
Exons	1158..1673, 1214..1660, 2092..2253, 2099..2245, 2364..2519, 2375..2515, 2646..2762, 2646..2762, 2666..2764, 3024..3194, 3026..3175, 3289..3354, 3300..3443, 3307..3531, 3657..3716		

Seq. No.	1928	Seq. ID	OJ990803_07.9B19.C14
Gene No.	4022	Strand	-
Start	5442	End	8739
Name	OJ990803_07.9B19.C14.o2.tm	Method	TBLASTX:Maize
Start	1190	End	1664
GI	none	Score	145
Exons	1190..1306, 1191..1664, 1214..1660		

Seq. No.	1928	Seq. ID	OJ990803_07.9B19.C14
Gene No.	4022	Strand	-
Start	5442	End	8739
Name	OJ990803_07.9B19.C14.o4.tw	Method	TBLASTX:Wheat
Start	1340	End	1610
GI	none	Score	373
Exons	1340..1609, 1341..1610		

Seq. No.	1928	Seq. ID	OJ990803_07.9B19.C14
Gene No.	4022	Strand	-
Start	5442	End	8739
Name	OJ990803_07.9B19.C14.o5.tw	Method	TBLASTX:Wheat
Start	1617	End	2519
GI	none	Score	80
Exons	1617..1673, 1619..1663, 2092..2244, 2099..2245, 2364..2519, 2366..2518		

Seq. No.	1928	Seq. ID	OJ990803_07.9B19.C14
Gene No.	4022	Strand	-
Start	5442	End	8739

Name	OJ990803_07.9B19.C14.o5.tm	Method	TBLASTX:Maize
Start	2095	End	2519
GI	none	Score	233
Exons	2095..2244, 2099..2245, 2102..2260, 2110..2247, 2364..2519, 2366..2518		

Seq. No.	1928	Seq. ID	OJ990803_07.9B19.C14
Gene No.	4022	Strand	-
Start	5442	End	8739
Name	OJ990803_07.9B19.C14.o3.tm	Method	TBLASTX:Maize
Start	2677	End	3519
GI	none	Score	123
Exons	2677..2760, 2684..2764, 2685..2762, 3024..3194, 3026..3193, 3036..3194, 3037..3195, 3306..3485, 3307..3519, 3445..3507		

Seq. No.	1928	Seq. ID	OJ990803_07.9B19.C14
Gene No.	4022	Strand	-
Start	5442	End	8739
Name	OJ990803_07.9B19.C14.o3.tw	Method	TBLASTX:Wheat
Start	3066	End	3781
GI	none	Score	49
Exons	3066..3191, 3104..3193, 3105..3194, 3289..3354, 3306..3479, 3307..3531, 3656..3724, 3657..3725, 3743..3781		

Seq. No.	1928	Seq. ID	OJ990803_07.9B19.C14
Gene No.	4022	Strand	-
Start	5442	End	8739
Name	OJ990803_07.9B19.C14.o4.tm	Method	TBLASTX:Maize
Start	4292	End	8540
GI	none	Score	157
Exons	4292..4474, 8140..8235, 8140..8187, 8142..8267, 8250..8540, 8296..8478, 8403..8486		

Seq. No.	1928	Seq. ID	OJ990803_07.9B19.C14
Gene No.	4022	Strand	-
Start	5442	End	8739
Name	OJ990803_07.9B19.C14.o4.gp	Method	AAT/GAP
Start	5431	End	7439
GI	none	Score	815
Exons	5431..5816, 7385..7439		

Seq. No.	1928	Seq. ID	OJ990803_07.9B19.C14
Gene No.	4022	Strand	-
Start	5442	End	8739
Name	OJ990803_07.9B19.C14.o2.gs	Method	GENSCAN
Start	5442	End	8735
GI	none	Score	.8
Exons	5442..5461, 7385..8735		

Seq. No.	1928	Seq. ID	OJ990803_07.9B19.C14
Gene No.	4022	Strand	-
Start	5442	End	8739
Name	OJ990803_07.9B19.C14.o2.np	Method	AAT/NAP
Start	7240	End	8739
GI	4510383	Score	1512
Exons	7240..8582, 8640..8739		
GI Descrip.	(AC007017) unknown protein [Arabidopsis thaliana]		

Seq. No.	1928	Seq. ID	OJ990803_07.9B19.C14
Gene No.	4022	Strand	-
Start	5442	End	8739
Name	OJ990803_07.9B19.C14.o1.tm	Method	TBLASTX:Maize
Start	7381	End	8139
GI	none	Score	764
Exons	7381..7947, 7383..7940, 7882..8100, 7955..8005, 7958..7990, 7998..8102, 8050..8139, 8058..8138		

Seq. No.	1928	Seq. ID	OJ990803_07.9B19.C14
Gene No.	4022	Strand	-
Start	5442	End	8739
Name	OJ990803_07.9B19.C14.o2.tc	Method	TBLASTX:Cress
Start	7464	End	7919
GI	none	Score	461
Exons	7464..7919, 7465..7914		

Seq. No.	1928	Seq. ID	OJ990803_07.9B19.C14
Gene No.	4022	Strand	-
Start	5442	End	8739
Name	OJ990803_07.9B19.C14.o1.ts	Method	TBLASTX:Soybean
Start	7467	End	8426
GI	none	Score	482
Exons	7467..7940, 7468..7941, 7897..7989, 7964..8005, 7964..8005, 8050..8232, 8058..8267, 8316..8426		

Seq. No.	1928	Seq. ID	OJ990803_07.9B19.C14
Gene No.	4022	Strand	-
Start	5442	End	8739
Name	OJ990803_07.9B19.C14.o2.tw	Method	TBLASTX:Wheat
Start	7492	End	7770
GI	none	Score	426
Exons	7492..7770, 7494..7769		

Seq. No.	1928	Seq. ID	OJ990803_07.9B19.C14
Gene No.	4022	Strand	-
Start	5442	End	8739
Name	OJ990803_07.9B19.C14.o3.tc	Method	TBLASTX:Cress
Start	8050	End	8582
GI	none	Score	34
Exons	8050..8076, 8058..8078, 8068..8232, 8076..8243, 8310..8582, 8341..8478		

Seq. No.	1928	Seq. ID	OJ990803_07.9B19.C14
Gene No.	4022	Strand	-
Start	5442	End	8739
Name	OJ990803_07.9B19.C14.o1.tw	Method	TBLASTX:Wheat
Start	8094	End	8463
GI	none	Score	201
Exons	8094..8267, 8095..8235, 8256..8462, 8296..8463		

Seq. No.	1928	Seq. ID	OJ990803_07.9B19.C14
Gene No.	4022	Strand	-
Start	5442	End	8739
Name	OJ990803_07.9B19.C14.o5.gp	Method	AAT/GAP
Start	8271	End	8720

GI	35760_1.R1084	Score	780
Exons	8271..8720		
GI Descrip.	'4510383/gb|AAD21471.1| 2.0e-28 (AC007017) unknown protein [Arabidopsis thaliana]'		

Seq. No.	1929	Seq. ID	OJ990803_07.9B19.C15
Gene No.	4023	Strand	+
Start	1820	End	4957
Name	OJ990803_07.9B19.C15.o1.np	Method	AAT/NAP
Start	1820	End	4957
GI	6907089	Score	4520
Exons	1820..4957		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	1929	Seq. ID	OJ990803_07.9B19.C15
Gene No.	4024	Strand	-
Start	126	End	814
Name	OJ990803_07.9B19.C15.o1.gs	Method	GENSCAN
Start	126	End	814
GI	none	Score	.59
Exons	126..297, 780..814		

Seq. No.	1929	Seq. ID	OJ990803_07.9B19.C15
Gene No.	4025	Strand	-
Start	5584	End	11228
Name	OJ990803_07.9B19.C15.o2.np	Method	AAT/NAP
Start	5584	End	11228
GI	6498441	Score	6986
Exons	5584..5865, 5959..7356, 7528..7824, 8017..8443, 8619..8753, 8937..9310, 9374..9837, 10168..11228		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	1929	Seq. ID	OJ990803_07.9B19.C15
Gene No.	4026	Strand	-
Start	11945	End	12358
Name	OJ990803_07.9B19.C15.o3.tm	Method	TBLASTX:Maize
Start	2824	End	6714
GI	none	Score	102
Exons	2824..2868, 2941..3024, 6352..6399, 6382..6594, 6391..6444, 6404..6697, 6419..6568, 6493..6714		

Seq. No.	1929	Seq. ID	OJ990803_07.9B19.C15
Gene No.	4026	Strand	-
Start	11945	End	12358
Name	OJ990803_07.9B19.C15.o7.tw	Method	TBLASTX:Wheat
Start	2836	End	6195
GI	none	Score	77
Exons	2836..2937, 5593..5718, 5597..5719, 5885..6193, 5911..6195, 5912..6190		

Seq. No.	1929	Seq. ID	OJ990803_07.9B19.C15
Gene No.	4026	Strand	-
Start	11945	End	12358
Name	OJ990803_07.9B19.C15.o5.tm	Method	TBLASTX:Maize
Start	5581	End	5724

GI	none	Score	126
Exons	5581..5724, 5585..5719		

Seq. No.	1929	Seq. ID	OJ990803_07.9B19.C15
Gene No.	4026	Strand	-
Start	11945	End	12358
Name	OJ990803_07.9B19.C15.o5.tw	Method	TBLASTX:Wheat
Start	6196	End	6577
GI	none	Score	167
Exons	6196..6576, 6227..6472, 6235..6573, 6521..6577		

Seq. No.	1929	Seq. ID	OJ990803_07.9B19.C15
Gene No.	4026	Strand	-
Start	11945	End	12358
Name	OJ990803_07.9B19.C15.o9.tw	Method	TBLASTX:Wheat
Start	6907	End	7219
GI	none	Score	63
Exons	6907..7167, 7018..7206, 7043..7219		

Seq. No.	1929	Seq. ID	OJ990803_07.9B19.C15
Gene No.	4026	Strand	-
Start	11945	End	12358
Name	OJ990803_07.9B19.C15.o2.ts	Method	TBLASTX:Soybean
Start	6967	End	7533
GI	5666795	Score	68
Exons	6967..7167, 7222..7359, 7435..7533		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	1929	Seq. ID	OJ990803_07.9B19.C15
Gene No.	4026	Strand	-
Start	11945	End	12358
Name	OJ990803_07.9B19.C15.o3.tw	Method	TBLASTX:Wheat
Start	7222	End	10680
GI	none	Score	93
Exons	7222..7371, 7223..7360, 7405..7656, 7406..7591, 7432..7680, 10627..10680		

Seq. No.	1929	Seq. ID	OJ990803_07.9B19.C15
Gene No.	4026	Strand	-
Start	11945	End	12358
Name	OJ990803_07.9B19.C15.o8.tw	Method	TBLASTX:Wheat
Start	8228	End	8517
GI	none	Score	48
Exons	8228..8386, 8230..8517, 8423..8512		

Seq. No.	1929	Seq. ID	OJ990803_07.9B19.C15
Gene No.	4026	Strand	-
Start	11945	End	12358
Name	OJ990803_07.9B19.C15.o1.ts	Method	TBLASTX:Soybean
Start	8281	End	8653
GI	none	Score	83
Exons	8281..8511, 8507..8653, 8511..8636		

Seq. No.	1929	Seq. ID	OJ990803_07.9B19.C15
Gene No.	4026	Strand	-
Start	11945	End	12358
Name	OJ990803_07.9B19.C15.o2.tm	Method	TBLASTX:Maize

Start	8404	End	8789
GI	none	Score	60
Exons	8404..8598, 8423..8551, 8510..8788, 8511..8789		

Seq. No.	1929	Seq. ID	OJ990803_07.9B19.C15
Gene No.	4026	Strand	-
Start	11945	End	12358
Name	OJ990803_07.9B19.C15.o4.tw	Method	TBLASTX:Wheat
Start	8528	End	8839
GI	none	Score	193
Exons	8528..8839, 8541..8831		

Seq. No.	1929	Seq. ID	OJ990803_07.9B19.C15
Gene No.	4026	Strand	-
Start	11945	End	12358
Name	OJ990803_07.9B19.C15.o1.tm	Method	TBLASTX:Maize
Start	8816	End	9172
GI	none	Score	124
Exons	8816..9121, 8816..9172, 8826..9137		

Seq. No.	1929	Seq. ID	OJ990803_07.9B19.C15
Gene No.	4026	Strand	-
Start	11945	End	12358
Name	OJ990803_07.9B19.C15.o1.tw	Method	TBLASTX:Wheat
Start	8840	End	9303
GI	none	Score	215
Exons	8840..9301, 8846..9301, 8847..9302, 8860..9303		

Seq. No.	1929	Seq. ID	OJ990803_07.9B19.C15
Gene No.	4026	Strand	-
Start	11945	End	12358
Name	OJ990803_07.9B19.C15.o3.ts	Method	TBLASTX:Soybean
Start	8897	End	9262
GI	none	Score	120
Exons	8897..9031, 9038..9262		

Seq. No.	1929	Seq. ID	OJ990803_07.9B19.C15
Gene No.	4026	Strand	-
Start	11945	End	12358
Name	OJ990803_07.9B19.C15.o2.tw	Method	TBLASTX:Wheat
Start	9467	End	9953
GI	none	Score	174
Exons	9467..9952, 9498..9758, 9780..9953		

Seq. No.	1929	Seq. ID	OJ990803_07.9B19.C15
Gene No.	4026	Strand	-
Start	11945	End	12358
Name	OJ990803_07.9B19.C15.o6.tw	Method	TBLASTX:Wheat
Start	10688	End	11240
GI	none	Score	96
Exons	10688..10945, 10722..10961, 10928..11026, 10929..11021, 11033..11080, 11205..11240		

Seq. No.	1929	Seq. ID	OJ990803_07.9B19.C15
Gene No.	4026	Strand	-
Start	11945	End	12358
Name	OJ990803_07.9B19.C15.o4.tm	Method	TBLASTX:Maize

Start	10790	End	11075
GI	none	Score	92
Exons	10790..11038, 10791..11075		

Seq. No.	1929	Seq. ID	OJ990803_07.9B19.C15
Gene No.	4026	Strand	-
Start	11945	End	12358
Name	OJ990803_07.9B19.C15.o3.np	Method	AAT/NAP
Start	11945	End	12358
GI	5042454	Score	76
Exons	11945..11998, 12236..12358		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	1930	Seq. ID	OJ990803_07.9B19.C16
Gene No.	4027	Strand	-
Start	6068	End	8397
Name	OJ990803_07.9B19.C16.o1.np	Method	AAT/NAP
Start	6068	End	8397
GI	4510383	Score	1267
Exons	6068..6175, 7079..8397		
GI Descrip.	(AC007017) unknown protein [Arabidopsis thaliana]		

Seq. No.	1930	Seq. ID	OJ990803_07.9B19.C16
Gene No.	4028	Strand	-
Start	9476	End	12651
Name	OJ990803_07.9B19.C16.o1.gp	Method	AAT/GAP
Start	9476	End	10052
GI	uC-osflcyp178d09a1	Score	868
Exons	9476..9700, 9826..10052		
GI Descrip.	'3790587 5.0e-24 (AF079182) RING-H2 finger protein RHF2a [Arabidopsis thaliana]'		

Seq. No.	1930	Seq. ID	OJ990803_07.9B19.C16
Gene No.	4028	Strand	-
Start	9476	End	12651
Name	OJ990803_07.9B19.C16.o2.np	Method	AAT/NAP
Start	9874	End	12651
GI	3790587	Score	792
Exons	9874..10171, 10256..10353, 10458..10820, 10923..11031, 11105..11167, 12365..12411, 12510..12651		
GI Descrip.	(AF079182) RING-H2 finger protein RHF2a [Arabidopsis thaliana]		

Seq. No.	1930	Seq. ID	OJ990803_07.9B19.C16
Gene No.	4028	Strand	-
Start	9476	End	12651
Name	OJ990803_07.9B19.C16.o2.gp	Method	AAT/GAP
Start	10716	End	11174
GI	569794	Score	502
Exons	10716..10820, 10932..11031, 11105..11174		
GI Descrip.	3790587 5.0e-24 (AF079182) RING-H2 finger protein RHF2a [Arabidopsis thaliana]		

Seq. No.	1930	Seq. ID	OJ990803_07.9B19.C16
Gene No.	4029	Strand	-
Start	16275	End	21284
Name	OJ990803_07.9B19.C16.o2.gs	Method	GENSCAN
Start	16275	End	21284

GI	none	Score	.8
Exons	16275..16476, 17524..17642, 17720..17944, 18370..18537, 18620..18735, 19068..19211, 20064..20886, 20891..21036, 21086..21284		

Seq. No.	1930	Seq. ID	OJ990803_07.9B19.C16
Gene No.	4029	Strand	-
Start	16275	End	21284
Name	OJ990803_07.9B19.C16.o3.np	Method	AAT/NAP
Start	17526	End	20865
GI	1899175	Score	1840
Exons	17526..17642, 17720..17944, 18370..18537, 18620..18735, 18829..18984, 19071..19211, 20064..20865		
GI Descrip.	(U90262) calcium-dependent calmodulin-independent protein kinase CDPK [Cucurbita pepo]		

Seq. No.	1930	Seq. ID	OJ990803_07.9B19.C16
Gene No.	4030	Strand	-
Start	23865	End	24347
Name	OJ990803_07.9B19.C16.o3.ts	Method	TBLASTX:Soybean
Start	5325	End	12638
GI	none	Score	96
Exons	5325..5372, 5503..5526, 10006..10152, 10012..10179, 10016..10174, 10253..10369, 10255..10365, 10438..10497, 10750..10818, 10773..10820, 10920..11033, 10924..10998, 11102..11167, 11110..11181, 11113..11169, 12363..12425, 12364..12480, 12364..12411, 12499..12606, 12507..12638		

Seq. No.	1930	Seq. ID	OJ990803_07.9B19.C16
Gene No.	4030	Strand	-
Start	23865	End	24347
Name	OJ990803_07.9B19.C16.o7.tw	Method	TBLASTX:Wheat
Start	5325	End	11021
GI	none	Score	91
Exons	5325..5372, 5503..5526, 10704..10817, 10705..10815, 10750..10818, 10773..10820, 10919..11020, 10920..11021, 10924..10953		

Seq. No.	1930	Seq. ID	OJ990803_07.9B19.C16
Gene No.	4030	Strand	-
Start	23865	End	24347
Name	OJ990803_07.9B19.C16.o1.tm	Method	TBLASTX:Maize
Start	7209	End	7852
GI	none	Score	599
Exons	7209..7313, 7217..7672, 7218..7673, 7633..7674, 7679..7762, 7680..7763, 7731..7850, 7751..7852		

Seq. No.	1930	Seq. ID	OJ990803_07.9B19.C16
Gene No.	4030	Strand	-
Start	23865	End	24347
Name	OJ990803_07.9B19.C16.o1.ts	Method	TBLASTX:Soybean
Start	7217	End	8143
GI	none	Score	213
Exons	7217..7543, 7220..7681, 7224..7682, 7679..7762, 7754..7981, 7755..7955, 8022..8129, 8027..8143		

Seq. No.	1930	Seq. ID	OJ990803_07.9B19.C16

Gene No.	4030	Strand	-
Start	23865	End	24347
Name	OJ990803_07.9B19.C16.o2.tc	Method	TBLASTX:Cress
Start	7217	End	7657
GI	none	Score	411
Exons	7217..7657, 7218..7652		

Seq. No.	1930	Seq. ID	OJ990803_07.9B19.C16
Gene No.	4030	Strand	-
Start	23865	End	24347
Name	OJ990803_07.9B19.C16.o1.tw	Method	TBLASTX:Wheat
Start	7230	End	7508
GI	none	Score	424
Exons	7230..7508, 7232..7507		

Seq. No.	1930	Seq. ID	OJ990803_07.9B19.C16
Gene No.	4030	Strand	-
Start	23865	End	24347
Name	OJ990803_07.9B19.C16.o3.tc	Method	TBLASTX:Cress
Start	7679	End	8299
GI	none	Score	143
Exons	7679..7783, 7757..7957, 7782..7955, 8024..8299		

Seq. No.	1930	Seq. ID	OJ990803_07.9B19.C16
Gene No.	4030	Strand	-
Start	23865	End	24347
Name	OJ990803_07.9B19.C16.o2.tw	Method	TBLASTX:Wheat
Start	7808	End	8179
GI	none	Score	184
Exons	7808..7981, 7809..7961, 7967..8026, 8021..8179, 8025..8129, 8078..8176		

Seq. No.	1930	Seq. ID	OJ990803_07.9B19.C16
Gene No.	4030	Strand	-
Start	23865	End	24347
Name	OJ990803_07.9B19.C16.o3.tm	Method	TBLASTX:Maize
Start	7853	End	8257
GI	none	Score	153
Exons	7853..7981, 7854..7961, 7964..8026, 8021..8257, 8025..8189, 8078..8203		

Seq. No.	1930	Seq. ID	OJ990803_07.9B19.C16
Gene No.	4030	Strand	-
Start	23865	End	24347
Name	OJ990803_07.9B19.C16.o4.ts	Method	TBLASTX:Soybean
Start	8144	End	8299
GI	none	Score	205
Exons	8144..8299		

Seq. No.	1930	Seq. ID	OJ990803_07.9B19.C16
Gene No.	4030	Strand	-
Start	23865	End	24347
Name	OJ990803_07.9B19.C16.o6.tw	Method	TBLASTX:Wheat
Start	9916	End	10185
GI	none	Score	254
Exons	9916..10185, 9917..10180, 10095..10181		

Seq. No.	1930	Seq. ID	OJ990803_07.9B19.C16
Gene No.	4030	Strand	-
Start	23865	End	24347
Name	OJ990803_07.9B19.C16.o5.tm	Method	TBLASTX:Maize
Start	9920	End	12611
GI	none	Score	180
Exons	9920..9937, 9986..10171, 10009..10173, 10253..10330, 10255..10329, 10677..10826, 10693..10806, 10920..11033, 10924..10953, 11105..11167, 11105..11167, 11110..11181, 12362..12418, 12364..12480, 12364..12411, 12507..12611, 12514..12606		

Seq. No.	1930	Seq. ID	OJ990803_07.9B19.C16
Gene No.	4030	Strand	-
Start	23865	End	24347
Name	OJ990803_07.9B19.C16.o4.tc	Method	TBLASTX:Cress
Start	10004	End	12635
GI	none	Score	156
Exons	10004..10174, 10009..10179, 10253..10390, 10255..10353, 10668..10805, 10720..10761, 10750..10818, 10753..10803, 10773..10820, 10919..11029, 10920..11033, 10923..10970, 10924..11001, 11105..11167, 11110..11181, 12362..12409, 12363..12479, 12364..12411, 12487..12606, 12507..12635		

Seq. No.	1930	Seq. ID	OJ990803_07.9B19.C16
Gene No.	4030	Strand	-
Start	23865	End	24347
Name	OJ990803_07.9B19.C16.o5.tw	Method	TBLASTX:Wheat
Start	16220	End	20112
GI	none	Score	103
Exons	16220..16309, 18830..18985, 18831..19049, 19055..19213, 19070..19147, 19072..19212, 20051..20110, 20062..20112		

Seq. No.	1930	Seq. ID	OJ990803_07.9B19.C16
Gene No.	4030	Strand	-
Start	23865	End	24347
Name	OJ990803_07.9B19.C16.o4.tm	Method	TBLASTX:Maize
Start	17452	End	17881
GI	none	Score	153
Exons	17452..17643, 17517..17645, 17520..17642, 17704..17880, 17711..17881		

Seq. No.	1930	Seq. ID	OJ990803_07.9B19.C16
Gene No.	4030	Strand	-
Start	23865	End	24347
Name	OJ990803_07.9B19.C16.o3.tw	Method	TBLASTX:Wheat
Start	17526	End	18459
GI	none	Score	82
Exons	17526..17642, 17530..17643, 17711..17944, 17719..17940, 17897..17953, 18325..18459		

Seq. No.	1930	Seq. ID	OJ990803_07.9B19.C16
Gene No.	4030	Strand	-
Start	23865	End	24347
Name	OJ990803_07.9B19.C16.o2.ts	Method	TBLASTX:Soybean
Start	17551	End	20550
GI	none	Score	57

Exons	17551..17643, 17553..17642, 17720..17944, 17725..17952, 17752..17940, 17771..17941, 18310..18549, 18361..18549, 18615..18731, 18617..18739, 18830..18985, 18837..18986, 19049..19213, 19070..19195, 19072..19212, 20062..20550, 20063..20536		

Seq. No.	1930	Seq. ID	OJ990803_07.9B19.C16
Gene No.	4030	Strand	-
Start	23865	End	24347
Name	OJ990803_07.9B19.C16.o1.tc	Method	TBLASTX:Cress
Start	17581	End	20610
GI	none	Score	80
Exons	17581..17643, 17592..17645, 17711..17944, 17759..17941, 18325..18549, 18373..18549, 18615..18734, 18617..18739, 18623..18748, 18827..18985, 18828..18986, 19046..19210, 19050..19217, 19072..19209, 20065..20550, 20066..20281, 20357..20551, 20560..20610		

Seq. No.	1930	Seq. ID	OJ990803_07.9B19.C16
Gene No.	4030	Strand	-
Start	23865	End	24347
Name	OJ990803_07.9B19.C16.o2.tm	Method	TBLASTX:Maize
Start	17882	End	20397
GI	none	Score	80
Exons	17882..17944, 17886..17945, 18361..18549, 18373..18549, 18615..18740, 18616..18741, 18617..18748, 18617..18739, 18827..18985, 18828..18986, 19046..19213, 19070..19207, 19072..19212, 20050..20223, 20062..20247, 20063..20227, 20233..20250, 20245..20304, 20272..20331, 20344..20397, 20354..20383		

Seq. No.	1930	Seq. ID	OJ990803_07.9B19.C16
Gene No.	4030	Strand	-
Start	23865	End	24347
Name	OJ990803_07.9B19.C16.o4.tw	Method	TBLASTX:Wheat
Start	20113	End	20400
GI	none	Score	146
Exons	20113..20307, 20113..20400, 20348..20383		

Seq. No.	1930	Seq. ID	OJ990803_07.9B19.C16
Gene No.	4030	Strand	-
Start	23865	End	24347
Name	OJ990803_07.9B19.C16.o3.gs	Method	GENSCAN
Start	23865	End	24347
GI	none	Score	.55
Exons	23865..24347		

Seq. No.	1931	Seq. ID	OJ990803_07.9B19.C17
Gene No.	4031	Strand	-
Start	209	End	753
Name	OJ990803_07.9B19.C17.o1.gs	Method	GENSCAN
Start	209	End	745
GI	none	Score	.74
Exons	209..591, 691..745		

Seq. No.	1931	Seq. ID	OJ990803_07.9B19.C17
Gene No.	4031	Strand	-

Start	209	End	753
Name	OJ990803_07.9B19.C17.o1.np	Method	AAT/NAP
Start	212	End	753
GI	5902445	Score	843
Exons	212..753		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	1931	Seq. ID	OJ990803_07.9B19.C17
Gene No.	4031	Strand	-
Start	209	End	753
Name	OJ990803_07.9B19.C17.o1.tw	Method	TBLASTX:Wheat
Start	221	End	751
GI	none	Score	95
Exons	221..352, 377..751, 546..674, 656..685		

Seq. No.	1931	Seq. ID	OJ990803_07.9B19.C17
Gene No.	4031	Strand	-
Start	209	End	753
Name	OJ990803_07.9B19.C17.o1.tm	Method	TBLASTX:Maize
Start	260	End	523
GI	none	Score	101
Exons	260..358, 261..362, 341..523, 342..401		

Seq. No.	1932	Seq. ID	OJ990803_07.9B19.C18
Gene No.	4032	Strand	-
Start	193	End	254
Name	OJ990803_07.9B19.C18.o1.gs	Method	GENSCAN
Start	193	End	254
GI	none	Score	.91
Exons	193..254		

Seq. No.	1933	Seq. ID	OJ990803_07.9B19.C19
Gene No.	4033	Strand	-
Start	305	End	507
Name	OJ990803_07.9B19.C19.o1.gs	Method	GENSCAN
Start	305	End	507
GI	none	Score	.99
Exons	305..507		

Seq. No.	1934	Seq. ID	OJ990803_07.9B19.C21
Gene No.	4034	Strand	+
Start	58	End	193
Name	OJ990803_07.9B19.C21.o1.gs	Method	GENSCAN
Start	58	End	193
GI	none	Score	.85
Exons	58..193		

Seq. No.	1935	Seq. ID	OJ990823_02.9B15.C1
Gene No.	4035	Strand	-
Start	1	End	618
Name	OJ990823_02.9B15.C1.o1.np	Method	AAT/NAP
Start	1	End	618
GI	4544390	Score	442
Exons	1..618		
GI Descrip.	(AC007047) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1935	Seq. ID	OJ990823_02.9B15.C1

Gene No.	4035	Strand	-
Start	1	End	618
Name	OJ990823_02.9B15.C1.o1.tm	Method	TBLASTX:Maize
Start	2	End	382
GI	none	Score	244
Exons	2..295, 6..293, 284..382, 285..371		

Seq. No.	1935	Seq. ID	OJ990823_02.9B15.C1
Gene No.	4035	Strand	-
Start	1	End	618
Name	OJ990823_02.9B15.C1.o1.gs	Method	GENSCAN
Start	259	End	496
GI	none	Score	.42
Exons	259..496		

Seq. No.	1936	Seq. ID	OJ990823_02.9B15.C4
Gene No.	4036	Strand	+
Start	1	End	4122
Name	OJ990823_02.9B15.C4.o1.np	Method	AAT/NAP
Start	1	End	3058
GI	4006924	Score	1729
Exons	1..69, 291..409, 498..659, 777..955, 1164..1273, 1389..1498, 1588..1698, 1773..1886, 1962..2164, 2371..2704, 2921..3058		
GI Descrip.	(Z99708) beta-galactosidase like protein [Arabidopsis thaliana]		

Seq. No.	1936	Seq. ID	OJ990823_02.9B15.C4
Gene No.	4036	Strand	+
Start	1	End	4122
Name	OJ990823_02.9B15.C4.o1.gs	Method	GENSCAN
Start	40	End	4122
GI	none	Score	.73
Exons	40..69, 498..659, 777..955, 1164..1273, 1389..1498, 1588..1698, 1773..1886, 1962..2164, 2371..2569, 2921..3019, 3570..3607, 4032..4122		

Seq. No.	1936	Seq. ID	OJ990823_02.9B15.C4
Gene No.	4036	Strand	+
Start	1	End	4122
Name	OJ990823_02.9B15.C4.o1.gp	Method	AAT/GAP
Start	1194	End	1505
GI	1854133	Score	353
Exons	1194..1273, 1389..1505		
GI Descrip.	2961390/emb|CAA18137| 2.0e-18 (AL022141) beta-galactosidase like protein [Arabidopsis thaliana]		

Seq. No.	1936	Seq. ID	OJ990823_02.9B15.C4
Gene No.	4037	Strand	-
Start	3314	End	3495
Name	OJ990823_02.9B15.C4.o2.gp	Method	AAT/GAP
Start	3314	End	3495
GI	1854132	Score	344
Exons	3314..3495		

Seq. No.	1936	Seq. ID	OJ990823_02.9B15.C4
Gene No.	4038	Strand	-
Start	4598	End	6860
Name	OJ990823_02.9B15.C4.o1.tw	Method	TBLASTX:Wheat

Start	1	End	826
GI	none	Score	61
Exons	1..69, 1..90, 3..71, 289..408, 290..409, 290..427, 292..411, 488..661, 495..668, 495..665, 496..678, 777..824, 777..824, 779..826		

Seq. No.	1936	Seq. ID	OJ990823_02.9B15.C4
Gene No.	4038	Strand	-
Start	4598	End	6860
Name	OJ990823_02.9B15.C4.o2.tc	Method	TBLASTX:Cress
Start	1	End	953
GI	none	Score	66
Exons	1..69, 2..70, 3..71, 3..71, 289..396, 290..409, 516..662, 522..650, 524..661, 770..790, 885..953		

Seq. No.	1936	Seq. ID	OJ990823_02.9B15.C4
Gene No.	4038	Strand	-
Start	4598	End	6860
Name	OJ990823_02.9B15.C4.o3.ts	Method	TBLASTX:Soybean
Start	1	End	3028
GI	none	Score	66
Exons	1..69, 2..70, 3..71, 3..71, 289..396, 290..409, 495..533, 516..659, 522..656, 524..658, 885..953, 2917..3018, 2924..3028		

Seq. No.	1936	Seq. ID	OJ990823_02.9B15.C4
Gene No.	4038	Strand	-
Start	4598	End	6860
Name	OJ990823_02.9B15.C4.o2.tm	Method	TBLASTX:Maize
Start	1	End	955
GI	none	Score	120
Exons	1..114, 3..71, 289..414, 290..409, 291..410, 292..411, 488..661, 495..668, 496..678, 496..660, 768..953, 777..950, 778..951, 779..955		

Seq. No.	1936	Seq. ID	OJ990823_02.9B15.C4
Gene No.	4038	Strand	-
Start	4598	End	6860
Name	OJ990823_02.9B15.C4.o1.tm	Method	TBLASTX:Maize
Start	1146	End	4615
GI	none	Score	35
Exons	1146..1202, 1163..1198, 1197..1277, 1198..1275, 1199..1288, 1383..1496, 1387..1497, 1388..1498, 1579..1698, 1586..1699, 1587..1700, 1587..1700, 1588..1701, 1767..1892, 1772..1885, 1962..2165, 1965..2126, 1967..2167, 1975..2166, 2369..2440, 2370..2408, 2372..2449, 2411..2704, 2441..2683, 2449..2703, 2909..3049, 2914..3039, 2918..3049, 3197..3265, 3219..3269, 3303..3407, 3321..3374, 3374..3418, 4484..4615		

Seq. No.	1936	Seq. ID	OJ990823_02.9B15.C4
Gene No.	4038	Strand	-
Start	4598	End	6860
Name	OJ990823_02.9B15.C4.o1.ts	Method	TBLASTX:Soybean
Start	1213	End	2410
GI	none	Score	83
Exons	1213..1275, 1218..1283, 1382..1498, 1387..1497, 1587..1631, 1588..1632, 1636..1701, 1767..1892, 1961..2167, 1962..2165, 1990..2166, 2372..2410		

Seq. No.	1936	Seq. ID	OJ990823_02.9B15.C4
Gene No.	4038	Strand	-
Start	4598	End	6860
Name	OJ990823_02.9B15.C4.o1.tc	Method	TBLASTX:Cress
Start	1381	End	2479
GI	none	Score	134
Exons	1381..1497, 1382..1498, 1587..1682, 1588..1698, 1588..1698, 1767..1892, 1775..1885, 1959..2120, 1962..2165, 1967..2167, 1987..2166, 2369..2443, 2372..2479		

Seq. No.	1936	Seq. ID	OJ990823_02.9B15.C4
Gene No.	4038	Strand	-
Start	4598	End	6860
Name	OJ990823_02.9B15.C4.o2.ts	Method	TBLASTX:Soybean
Start	2411	End	2704
GI	none	Score	205
Exons	2411..2554, 2411..2548, 2446..2556, 2551..2703, 2552..2704		

Seq. No.	1936	Seq. ID	OJ990823_02.9B15.C4
Gene No.	4038	Strand	-
Start	4598	End	6860
Name	OJ990823_02.9B15.C4.o3.tc	Method	TBLASTX:Cress
Start	2479	End	3028
GI	none	Score	124
Exons	2479..2544, 2480..2548, 2545..2670, 2554..2700, 2555..2704, 2903..3028, 2914..3021		

Seq. No.	1936	Seq. ID	OJ990823_02.9B15.C4
Gene No.	4038	Strand	-
Start	4598	End	6860
Name	OJ990823_02.9B15.C4.o2.gs	Method	GENSCAN
Start	4598	End	6814
GI	none	Score	.61
Exons	4598..4704, 4954..5063, 5395..5514, 6084..6210, 6234..6367, 6438..6814		

Seq. No.	1936	Seq. ID	OJ990823_02.9B15.C4
Gene No.	4038	Strand	-
Start	4598	End	6860
Name	OJ990823_02.9B15.C4.o2.np	Method	AAT/NAP
Start	4831	End	6622
GI	543938	Score	85
Exons	4831..4849, 6459..6622		
GI Descrip.	CHLOROPHYLL A-B BINDING PROTEIN 48 PRECURSOR (LHCII TYPE I CAB-48) (LHCP) gi|82681|pir||S22497 chlorophyll a/b-binding protein precursor (cab-48) - maize gi|22228|emb|CAA44888| (X63205) chlorophyll a /b binding protein [Zea mays]		

Seq. No.	1936	Seq. ID	OJ990823_02.9B15.C4
Gene No.	4038	Strand	-
Start	4598	End	6860
Name	OJ990823_02.9B15.C4.o3.gp	Method	AAT/GAP
Start	6359	End	6860
GI	25677_1.R1084	Score	926
Exons	6359..6860		
GI Descrip.	'20177/emb|X13908|OSCABR1 2.0e-09 Rice cab1R gene for light		

harvesting chlorophyll a/b-binding protein'

Seq. No.	1937	Seq. ID	OJ990823_02.9B15.C5
Gene No.	4039	Strand	+
Start	175	End	788
Name	OJ990823_02.9B15.C5.o1.gs	Method	GENSCAN
Start	175	End	788
GI	none	Score	.84
Exons	175..340, 574..788		

Seq. No.	1938	Seq. ID	OJ990823_02.9B15.C6
Gene No.	4040	Strand	+
Start	6	End	4797
Name	OJ990823_02.9B15.C6.o1.gs	Method	GENSCAN
Start	6	End	4790
GI	none	Score	.51
Exons	6..1141, 1224..1315, 2478..2631, 3508..3733, 3840..4118, 4210..4386, 4489..4542, 4642..4790		

Seq. No.	1938	Seq. ID	OJ990823_02.9B15.C6
Gene No.	4040	Strand	+
Start	6	End	4797
Name	OJ990823_02.9B15.C6.o1.gp	Method	AAT/GAP
Start	2167	End	2421
GI	2312265	Score	461
Exons	2167..2421		

Seq. No.	1938	Seq. ID	OJ990823_02.9B15.C6
Gene No.	4040	Strand	+
Start	6	End	4797
Name	OJ990823_02.9B15.C6.o2.np	Method	AAT/NAP
Start	2226	End	4794
GI	2425107	Score	1332
Exons	2226..2631, 3508..3733, 3840..4118, 4210..4386, 4489..4542, 4642..4794		
GI Descrip.	(AF019907) glutathione reductase (NADPH) [Vitis vinifera]		

Seq. No.	1938	Seq. ID	OJ990823_02.9B15.C6
Gene No.	4040	Strand	+
Start	6	End	4797
Name	OJ990823_02.9B15.C6.o1.tc	Method	TBLASTX:Cress
Start	2442	End	4797
GI	none	Score	89
Exons	2442..2525, 2459..2590, 2546..2608, 2557..2640, 3505..3735, 3509..3736, 3837..4142, 3845..4141, 4200..4385, 4201..4386, 4211..4390, 4212..4391, 4479..4514, 4639..4767, 4641..4760, 4641..4796, 4642..4797		

Seq. No.	1938	Seq. ID	OJ990823_02.9B15.C6
Gene No.	4040	Strand	+
Start	6	End	4797
Name	OJ990823_02.9B15.C6.o1.ts	Method	TBLASTX:Soybean
Start	2484	End	4797
GI	none	Score	67
Exons	2484..2525, 2492..2524, 2546..2602, 2555..2608, 3505..3732, 3509..3736, 3509..3736, 3661..3738, 3837..4142, 3839..4141, 3931..4158, 3946..4149, 4187..4366, 4187..4360, 4188..4382,		

4201..4386, 4488..4523, 4639..4788, 4641..4760, 4641..4796, 4642..4797

Seq. No.	1938	Seq. ID	OJ990823_02.9B15.C6
Gene No.	4040	Strand	+
Start	6	End	4797
Name	OJ990823_02.9B15.C6.o1.tm	Method	TBLASTX:Maize
Start	3625	End	4350
GI	none	Score	177
Exons	3625..3732, 3626..3736, 3626..3733, 3837..4142, 3837..4124, 3838..4149, 3839..4141, 4200..4349, 4201..4350		

Seq. No.	1938	Seq. ID	OJ990823_02.9B15.C6
Gene No.	4040	Strand	+
Start	6	End	4797
Name	OJ990823_02.9B15.C6.o2.gp	Method	AAT/GAP
Start	4199	End	4790
GI	2798701	Score	659
Exons	4199..4386, 4489..4542, 4642..4790		
GI Descrip.	3130064/emb|CAA06835| 2.0e-81 (AJ006055) glutathione reductase [Zea mays]		

Seq. No.	1938	Seq. ID	OJ990823_02.9B15.C6
Gene No.	4040	Strand	+
Start	6	End	4797
Name	OJ990823_02.9B15.C6.o2.tm	Method	TBLASTX:Maize
Start	4350	End	4791
GI	none	Score	56
Exons	4350..4385, 4351..4386, 4486..4551, 4488..4544, 4632..4790, 4641..4790, 4642..4791		

Seq. No.	1939	Seq. ID	OJ990823_02.9B15.C7
Gene No.	4041	Strand	+
Start	1610	End	2128
Name	OJ990823_02.9B15.C7.o1.gp	Method	AAT/GAP
Start	1610	End	2128
GI	uC-osrocyp036c05a1	Score	1003
Exons	1610..2128		
GI Descrip.	'3130064/emb|CAA06835| 2.0e-81 (AJ006055) glutathione reductase [Zea mays]'		

Seq. No.	1939	Seq. ID	OJ990823_02.9B15.C7
Gene No.	4042	Strand	+
Start	4325	End	7853
Name	OJ990823_02.9B15.C7.o2.gp	Method	AAT/GAP
Start	4325	End	5728
GI	uC-osf1M202039b10b1	Score	922
Exons	4325..4559, 5480..5728		
GI Descrip.	'3193284 8.0e-13 (AF069298) No definition line found [Arabidopsis thaliana]'		

Seq. No.	1939	Seq. ID	OJ990823_02.9B15.C7
Gene No.	4042	Strand	+
Start	4325	End	7853
Name	OJ990823_02.9B15.C7.o1.np	Method	AAT/NAP
Start	5463	End	7850
GI	3193284	Score	1648

Exons	5463..6404, 6456..6654, 6703..7850		
GI Descrip.	(AF069298) No definition line found [Arabidopsis thaliana]		
Seq. No.	1939	Seq. ID	OJ990823_02.9B15.C7
Gene No.	4042	Strand	+
Start	4325	End	7853
Name	OJ990823_02.9B15.C7.o2.gs	Method	GENSCAN
Start	5487	End	7853
GI	none	Score	1
Exons	5487..7853		
Seq. No.	1939	Seq. ID	OJ990823_02.9B15.C7
Gene No.	4043	Strand	-
Start	8417	End	11684
Name	OJ990823_02.9B15.C7.o4.tm	Method	TBLASTX:Maize
Start	5474	End	5930
GI	none	Score	94
Exons	5474..5533, 5539..5889, 5540..5908, 5559..5930, 5592..5894, 5792..5929		
Seq. No.	1939	Seq. ID	OJ990823_02.9B15.C7
Gene No.	4043	Strand	-
Start	8417	End	11684
Name	OJ990823_02.9B15.C7.o2.ts	Method	TBLASTX:Soybean
Start	5561	End	5912
GI	none	Score	246
Exons	5561..5641, 5562..5912, 5586..5804		
Seq. No.	1939	Seq. ID	OJ990823_02.9B15.C7
Gene No.	4043	Strand	-
Start	8417	End	11684
Name	OJ990823_02.9B15.C7.o2.tc	Method	TBLASTX:Cress
Start	5562	End	5876
GI	none	Score	223
Exons	5562..5876, 5574..5717		
Seq. No.	1939	Seq. ID	OJ990823_02.9B15.C7
Gene No.	4043	Strand	-
Start	8417	End	11684
Name	OJ990823_02.9B15.C7.o3.tm	Method	TBLASTX:Maize
Start	6038	End	6406
GI	none	Score	475
Exons	6038..6193, 6042..6404, 6045..6404, 6046..6405, 6299..6406		
Seq. No.	1939	Seq. ID	OJ990823_02.9B15.C7
Gene No.	4043	Strand	-
Start	8417	End	11684
Name	OJ990823_02.9B15.C7.o1.tc	Method	TBLASTX:Cress
Start	6395	End	6881
GI	none	Score	489
Exons	6395..6667, 6396..6881, 6453..6839		
Seq. No.	1939	Seq. ID	OJ990823_02.9B15.C7
Gene No.	4043	Strand	-
Start	8417	End	11684
Name	OJ990823_02.9B15.C7.o1.tm	Method	TBLASTX:Maize
Start	6407	End	6925

GI	none	Score	551
Exons	6407..6664, 6408..6923, 6417..6914, 6704..6925		

Seq. No.	1939	Seq. ID	OJ990823_02.9B15.C7
Gene No.	4043	Strand	-
Start	8417	End	11684
Name	OJ990823_02.9B15.C7.o1.ts	Method	TBLASTX:Soybean
Start	6647	End	7738
GI	none	Score	98
Exons	6647..6772, 6648..6776, 6777..7226, 6780..7178, 7200..7559, 7218..7391, 7253..7525, 7614..7733, 7628..7738		

Seq. No.	1939	Seq. ID	OJ990823_02.9B15.C7
Gene No.	4043	Strand	-
Start	8417	End	11684
Name	OJ990823_02.9B15.C7.o2.tm	Method	TBLASTX:Maize
Start	7059	End	7811
GI	none	Score	115
Exons	7059..7178, 7067..7165, 7209..7553, 7262..7528, 7614..7811, 7616..7759		

Seq. No.	1939	Seq. ID	OJ990823_02.9B15.C7
Gene No.	4043	Strand	-
Start	8417	End	11684
Name	OJ990823_02.9B15.C7.o3.gs	Method	GENSCAN
Start	8417	End	11684
GI	none	Score	.93
Exons	8417..8537, 8988..9217, 11595..11684		

Seq. No.	1940	Seq. ID	OJ990823_02.9B15.C9
Gene No.	4044	Strand	+
Start	13342	End	15655
Name	OJ990823_02.9B15.C9.o7.gs	Method	GENSCAN
Start	13342	End	15655
GI	none	Score	.64
Exons	13342..13348, 14214..14426, 15408..15655		

Seq. No.	1940	Seq. ID	OJ990823_02.9B15.C9
Gene No.	4045	Strand	+
Start	18392	End	18729
Name	OJ990823_02.9B15.C9.o3.gp	Method	AAT/GAP
Start	18392	End	18729
GI	4716416	Score	559
Exons	18392..18729		

Seq. No.	1940	Seq. ID	OJ990823_02.9B15.C9
Gene No.	4046	Strand	-
Start	1872	End	3472
Name	OJ990823_02.9B15.C9.o2.gs	Method	GENSCAN
Start	1872	End	3472
GI	none	Score	.78
Exons	1872..1982, 3338..3472		

Seq. No.	1940	Seq. ID	OJ990823_02.9B15.C9
Gene No.	4047	Strand	-
Start	4065	End	4983
Name	OJ990823_02.9B15.C9.o3.gs	Method	GENSCAN

Start	4065	End	4983
GI	none	Score	.7
Exons	4065..4133, 4755..4821, 4937..4983		

Seq. No.	1940	Seq. ID	OJ990823_02.9B15.C9
Gene No.	4048	Strand	-
Start	6378	End	7474
Name	OJ990823_02.9B15.C9.o4.gs	Method	GENSCAN
Start	6378	End	7474
GI	none	Score	.71
Exons	6378..6555, 6600..6801, 7333..7474		

Seq. No.	1940	Seq. ID	OJ990823_02.9B15.C9
Gene No.	4049	Strand	-
Start	8881	End	9138
Name	OJ990823_02.9B15.C9.o5.gs	Method	GENSCAN
Start	8881	End	9138
GI	none	Score	.57
Exons	8881..9138		

Seq. No.	1940	Seq. ID	OJ990823_02.9B15.C9
Gene No.	4050	Strand	-
Start	12361	End	12720
Name	OJ990823_02.9B15.C9.o6.gs	Method	GENSCAN
Start	12361	End	12720
GI	none	Score	.97
Exons	12361..12414, 12553..12720		

Seq. No.	1940	Seq. ID	OJ990823_02.9B15.C9
Gene No.	4051	Strand	-
Start	16599	End	16868
Name	OJ990823_02.9B15.C9.o8.gs	Method	GENSCAN
Start	16599	End	16868
GI	none	Score	.94
Exons	16599..16868		

Seq. No.	1940	Seq. ID	OJ990823_02.9B15.C9
Gene No.	4052	Strand	-
Start	17329	End	21409
Name	OJ990823_02.9B15.C9.o9.gs	Method	GENSCAN
Start	17329	End	21409
GI	none	Score	.78
Exons	17329..17901, 18194..18316, 18410..18488, 18558..18682, 18756..18893, 18953..19156, 19335..19640, 19966..20100, 20197..20526, 20601..20753, 20831..21409		

Seq. No.	1940	Seq. ID	OJ990823_02.9B15.C9
Gene No.	4053	Strand	-
Start	22147	End	24537
Name	OJ990823_02.9B15.C9.o4.gp	Method	AAT/GAP
Start	22147	End	22955
GI	57687_1.R1084	Score	1133
Exons	22147..22497, 22570..22740, 22811..22955		
GI Descrip.	'2961390/emb|CAA18137| 2.0e-18 (AL022141) beta-galactosidase like protein [Arabidopsis thaliana]'		

Seq. No.	1940	Seq. ID	OJ990823_02.9B15.C9

Gene No.	4053	Strand	-
Start	22147	End	24537
Name	OJ990823_02.9B15.C9.o10.gs	Method	GENSCAN
Start	22261	End	24537
GI	none	Score	.71
Exons	22261..22497, 22570..22740, 22811..22930, 23502..23675, 24087..24117, 24173..24370, 24452..24537		

Seq. No.	1941	Seq. ID	OJ990823_02.9B15.C10
Gene No.	4054	Strand	+
Start	5683	End	7056
Name	OJ990823_02.9B15.C10.o3.gs	Method	GENSCAN
Start	5683	End	7056
GI	none	Score	.73
Exons	5683..5725, 5809..5936, 6161..6486, 6546..7056		

Seq. No.	1941	Seq. ID	OJ990823_02.9B15.C10
Gene No.	4055	Strand	+
Start	7647	End	10092
Name	OJ990823_02.9B15.C10.o4.gs	Method	GENSCAN
Start	7647	End	10092
GI	none	Score	.84
Exons	7647..7979, 8461..8708, 8843..9134, 9475..9627, 9706..10092		

Seq. No.	1941	Seq. ID	OJ990823_02.9B15.C10
Gene No.	4055	Strand	+
Start	7647	End	10092
Name	OJ990823_02.9B15.C10.o1.gp	Method	AAT/GAP
Start	8660	End	9764
GI	none	Score	999
Exons	8660..8708, 8843..9134, 9475..9627, 9706..9764		

Seq. No.	1941	Seq. ID	OJ990823_02.9B15.C10
Gene No.	4056	Strand	+
Start	16006	End	17044
Name	OJ990823_02.9B15.C10.o6.gs	Method	GENSCAN
Start	16006	End	17044
GI	none	Score	.94
Exons	16006..16072, 16121..16264, 17037..17044		

Seq. No.	1941	Seq. ID	OJ990823_02.9B15.C10
Gene No.	4057	Strand	-
Start	1	End	2496
Name	OJ990823_02.9B15.C10.o1.np	Method	AAT/NAP
Start	1	End	1751
GI	4467124	Score	723
Exons	1..1751		
GI Descrip.	(AL035538) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1941	Seq. ID	OJ990823_02.9B15.C10
Gene No.	4057	Strand	-
Start	1	End	2496
Name	OJ990823_02.9B15.C10.o1.gs	Method	GENSCAN
Start	289	End	2496
GI	none	Score	.72
Exons	289..534, 667..763, 867..1789, 1976..2132, 2421..2442, 2485..2496		

Seq. No.	1941	Seq. ID	OJ990823_02.9B15.C10
Gene No.	4058	Strand	-
Start	4776	End	5033
Name	OJ990823_02.9B15.C10.o2.gs	Method	GENSCAN
Start	4776	End	5033
GI	none	Score	.43
Exons	4776..5033		

Seq. No.	1941	Seq. ID	OJ990823_02.9B15.C10
Gene No.	4059	Strand	-
Start	9990	End	10400
Name	OJ990823_02.9B15.C10.o2.gp	Method	AAT/GAP
Start	9990	End	10400
GI	none	Score	814
Exons	9990..10400		

Seq. No.	1941	Seq. ID	OJ990823_02.9B15.C10
Gene No.	4060	Strand	-
Start	12007	End	15138
Name	OJ990823_02.9B15.C10.o4.np	Method	AAT/NAP
Start	11561	End	14885
GI	3063469	Score	380
Exons	11561..11759, 11916..12612, 14866..14885		
GI Descrip.	(AC003981) F22O13.31 [Arabidopsis thaliana]		

Seq. No.	1941	Seq. ID	OJ990823_02.9B15.C10
Gene No.	4060	Strand	-
Start	12007	End	15138
Name	OJ990823_02.9B15.C10.o2.np	Method	AAT/NAP
Start	11678	End	12415
GI	2880046	Score	284
Exons	11678..11829, 12090..12415		
GI Descrip.	(AC002340) unknown protein [Arabidopsis thaliana]		

Seq. No.	1941	Seq. ID	OJ990823_02.9B15.C10
Gene No.	4060	Strand	-
Start	12007	End	15138
Name	OJ990823_02.9B15.C10.o5.gs	Method	GENSCAN
Start	12007	End	15138
GI	none	Score	.87
Exons	12007..12821, 12898..13473, 13567..13838, 14325..14375, 15026..15138		

Seq. No.	1941	Seq. ID	OJ990823_02.9B15.C10
Gene No.	4061	Strand	-
Start	17263	End	17953
Name	OJ990823_02.9B15.C10.o6.tm	Method	TBLASTX:Maize
Start	804	End	1179
GI	none	Score	201
Exons	804..848, 838..1179		

Seq. No.	1941	Seq. ID	OJ990823_02.9B15.C10
Gene No.	4061	Strand	-
Start	17263	End	17953
Name	OJ990823_02.9B15.C10.o3.ts	Method	TBLASTX:Soybean
Start	807	End	1131

GI	none	Score	89
Exons	807..848, 856..1131, 860..1054, 916..1131		

Seq. No.	1941	Seq. ID	OJ990823_02.9B15.C10
Gene No.	4061	Strand	-
Start	17263	End	17953
Name	OJ990823_02.9B15.C10.o2.tc	Method	TBLASTX:Cress
Start	883	End	1218
GI	none	Score	196
Exons	883..1218		

Seq. No.	1941	Seq. ID	OJ990823_02.9B15.C10
Gene No.	4061	Strand	-
Start	17263	End	17953
Name	OJ990823_02.9B15.C10.o7.tm	Method	TBLASTX:Maize
Start	7854	End	8536
GI	none	Score	200
Exons	7854..7979, 7857..7982, 8422..8535, 8459..8536, 8459..8536		

Seq. No.	1941	Seq. ID	OJ990823_02.9B15.C10
Gene No.	4061	Strand	-
Start	17263	End	17953
Name	OJ990823_02.9B15.C10.o4.ts	Method	TBLASTX:Soybean
Start	8536	End	9032
GI	none	Score	116
Exons	8536..8628, 8539..8628, 8652..8717, 8653..8706, 8835..9032, 8840..9031, 8850..9032		

Seq. No.	1941	Seq. ID	OJ990823_02.9B15.C10
Gene No.	4061	Strand	-
Start	17263	End	17953
Name	OJ990823_02.9B15.C10.o5.tm	Method	TBLASTX:Maize
Start	8957	End	9124
GI	none	Score	229
Exons	8957..9124, 8958..9122		

Seq. No.	1941	Seq. ID	OJ990823_02.9B15.C10
Gene No.	4061	Strand	-
Start	17263	End	17953
Name	OJ990823_02.9B15.C10.o1.ts	Method	TBLASTX:Soybean
Start	9033	End	9933
GI	none	Score	125
Exons	9033..9134, 9035..9148, 9044..9139, 9472..9630, 9474..9629, 9703..9876, 9706..9888, 9889..9933		

Seq. No.	1941	Seq. ID	OJ990823_02.9B15.C10
Gene No.	4061	Strand	-
Start	17263	End	17953
Name	OJ990823_02.9B15.C10.o2.tm	Method	TBLASTX:Maize
Start	9467	End	10023
GI	none	Score	156
Exons	9467..9559, 9468..9614, 9474..9626, 9478..9630, 9703..10023, 9705..10019, 9706..10020		

Seq. No.	1941	Seq. ID	OJ990823_02.9B15.C10
Gene No.	4061	Strand	-
Start	17263	End	17953

Name	OJ990823_02.9B15.C10.o1.tm	Method	TBLASTX:Maize
Start	11573	End	12820
GI	none	Score	65
Exons	11573..11761, 11578..11736, 11595..11762, 11854..11925, 11921..12025, 11927..12016, 12085..12396, 12087..12260, 12175..12396, 12206..12415, 12397..12474, 12457..12747, 12461..12643, 12525..12692, 12526..12699, 12769..12819, 12773..12820		

Seq. No.	1941	Seq. ID	OJ990823_02.9B15.C10
Gene No.	4061	Strand	-
Start	17263	End	17953
Name	OJ990823_02.9B15.C10.o1.tc	Method	TBLASTX:Cress
Start	11591	End	12396
GI	none	Score	73
Exons	11591..11776, 11592..11717, 12079..12396, 12172..12372		

Seq. No.	1941	Seq. ID	OJ990823_02.9B15.C10
Gene No.	4061	Strand	-
Start	17263	End	17953
Name	OJ990823_02.9B15.C10.o2.ts	Method	TBLASTX:Soybean
Start	12088	End	12423
GI	none	Score	149
Exons	12088..12420, 12091..12423		

Seq. No.	1941	Seq. ID	OJ990823_02.9B15.C10
Gene No.	4061	Strand	-
Start	17263	End	17953
Name	OJ990823_02.9B15.C10.o3.tm	Method	TBLASTX:Maize
Start	13463	End	13926
GI	none	Score	139
Exons	13463..13534, 13544..13702, 13706..13882, 13707..13922, 13707..13922, 13708..13926		

Seq. No.	1941	Seq. ID	OJ990823_02.9B15.C10
Gene No.	4061	Strand	-
Start	17263	End	17953
Name	OJ990823_02.9B15.C10.o7.gs	Method	GENSCAN
Start	17263	End	17953
GI	none	Score	.56
Exons	17263..17281, 17916..17953		

Seq. No.	1941	Seq. ID	OJ990823_02.9B15.C10
Gene No.	4062	Strand	
Start	18610	End	19002
Name	OJ990823_02.9B15.C10.o4.tm	Method	TBLASTX:Maize
Start	18610	End	19002
GI	none	Score	114
Exons	18610..18720, 18611..18721, 18831..18887, 18835..19002, 18835..18981		

Seq. No.	1942	Seq. ID	OJ990823_02.9B15.C11
Gene No.	4063	Strand	+
Start	1800	End	1972
Name	OJ990823_02.9B15.C11.o2.np	Method	AAT/NAP
Start	1800	End	1972
GI	6069646	Score	68

Exons	1800..1972		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	1942	Seq. ID	OJ990823_02.9B15.C11
Gene No.	4064	Strand	-
Start	152	End	1925
Name	OJ990823_02.9B15.C11.o1.np	Method	AAT/NAP
Start	152	End	1614
GI	2501242	Score	113
Exons	152..260, 419..491, 612..690, 861..899, 1010..1115, 1180..1232, 1373..1502, 1580..1614		
GI Descrip.	DNA TOPOISOMERASE III ALPHA gi|1292912 (U43431) DNA topoisomerase III [Homo sapiens]		
Seq. No.	1942	Seq. ID	OJ990823_02.9B15.C11
Gene No.	4064	Strand	-
Start	152	End	1925
Name	OJ990823_02.9B15.C11.o1.gs	Method	GENSCAN
Start	397	End	1925
GI	none	Score	.85
Exons	397..491, 612..690, 861..899, 1010..1106, 1580..1614, 1789..1925		
Seq. No.	1942	Seq. ID	OJ990823_02.9B15.C11
Gene No.	4064	Strand	-
Start	152	End	1925
Name	OJ990823_02.9B15.C11.o1.tm	Method	TBLASTX:Maize
Start	418	End	1615
GI	none	Score	109
Exons	418..492, 419..493, 419..493, 423..494, 610..687, 611..688, 613..693, 1055..1117, 1056..1109, 1169..1231, 1170..1274, 1179..1238, 1368..1502, 1373..1504, 1373..1501, 1375..1503, 1568..1615, 1577..1609, 1578..1610		
Seq. No.	1943	Seq. ID	OJ990823_02.9B15.C12
Gene No.	4065	Strand	+
Start	5630	End	6025
Name	OJ990823_02.9B15.C12.o1.gp	Method	AAT/GAP
Start	5630	End	6025
GI	none	Score	784
Exons	5630..6025		
Seq. No.	1943	Seq. ID	OJ990823_02.9B15.C12
Gene No.	4066	Strand	-
Start	650	End	7668
Name	OJ990823_02.9B15.C12.o1.gs	Method	GENSCAN
Start	650	End	7641
GI	none	Score	.71
Exons	650..670, 715..843, 962..1141, 1781..1864, 1987..2103, 2563..2716, 2961..3047, 3262..3440, 4614..4937, 4993..5177, 6108..6203, 6320..6377, 6611..6718, 7220..7310, 7388..7641		
Seq. No.	1943	Seq. ID	OJ990823_02.9B15.C12
Gene No.	4066	Strand	-

Start	650	End	7668
Name	OJ990823_02.9B15.C12.o1.np	Method	AAT/NAP
Start	715	End	4987
GI	6678403	Score	796
Exons	715..861, 989..1141, 1781..1864, 1987..2103, 2214..2286, 2360..2481, 2563..2685, 2961..3033, 3262..3440, 4614..4987		
GI Descrip.	topoisomerase 3 alpha gi|6686029|sp|O70157|TP3A_MOUSE DNA TOPOISOMERASE III ALPHA gi|3061308|dbj|BAA25662| (AB006074) topoisomerase III [Mus musculus]		

Seq. No.	1943	Seq. ID	OJ990823_02.9B15.C12
Gene No.	4066	Strand	-
Start	650	End	7668
Name	OJ990823_02.9B15.C12.o2.tm	Method	TBLASTX:Maize
Start	764	End	1141
GI	none	Score	102
Exons	764..841, 764..841, 766..843, 964..1137, 965..1138, 965..1141, 975..1139		

Seq. No.	1943	Seq. ID	OJ990823_02.9B15.C12
Gene No.	4066	Strand	-
Start	650	End	7668
Name	OJ990823_02.9B15.C12.o1.tm	Method	TBLASTX:Maize
Start	4608	End	4905
GI	none	Score	145
Exons	4608..4787, 4614..4787, 4615..4788, 4833..4904, 4843..4905		

Seq. No.	1943	Seq. ID	OJ990823_02.9B15.C12
Gene No.	4066	Strand	-
Start	650	End	7668
Name	OJ990823_02.9B15.C12.o3.tm	Method	TBLASTX:Maize
Start	7344	End	7653
GI	none	Score	189
Exons	7344..7538, 7350..7538, 7363..7545, 7378..7542, 7480..7653, 7481..7645		

Seq. No.	1943	Seq. ID	OJ990823_02.9B15.C12
Gene No.	4066	Strand	-
Start	650	End	7668
Name	OJ990823_02.9B15.C12.o2.np	Method	AAT/NAP
Start	7366	End	7668
GI	6759434	Score	262
Exons	7366..7668		
GI Descrip.	(AL137189) putative protein [Arabidopsis thaliana]		

Seq. No.	1944	Seq. ID	OJ990823_02.9B15.C13
Gene No.	4067	Strand	+
Start	1917	End	7229
Name	OJ990823_02.9B15.C13.o2.gs	Method	GENSCAN
Start	1917	End	7229
GI	none	Score	.47
Exons	1917..2288, 2342..2719, 2895..3416, 3477..3582, 4141..4267, 4530..4613, 5300..5912, 6714..6941, 7122..7229		

Seq. No.	1944	Seq. ID	OJ990823_02.9B15.C13
Gene No.	4068	Strand	-
Start	1	End	3615

Name	OJ990823_02.9B15.C13.o1.np	Method	AAT/NAP
Start	1	End	2855
GI	6759434	Score	1102
Exons	1..1587, 2796..2855		
GI Descrip.	(AL137189) putative protein [Arabidopsis thaliana]		

Seq. No.	1944	Seq. ID	OJ990823_02.9B15.C13
Gene No.	4068	Strand	-
Start	1	End	3615
Name	OJ990823_02.9B15.C13.o1.tc	Method	TBLASTX:Cress
Start	2	End	1194
GI	none	Score	59
Exons	2..94, 49..342, 95..274, 97..138, 97..444, 151..372, 184..405, 188..325, 190..534, 239..535, 280..474, 289..639, 355..603, 386..640, 391..756, 395..751, 448..576, 472..708, 494..745, 499..855, 577..813, 601..972, 685..897, 715..1074, 775..1020, 788..1060, 800..901, 809..1003, 811..1161, 880..1131, 907..1161, 1000..1194		

Seq. No.	1944	Seq. ID	OJ990823_02.9B15.C13
Gene No.	4068	Strand	-
Start	1	End	3615
Name	OJ990823_02.9B15.C13.o1.tm	Method	TBLASTX:Maize
Start	2	End	1152
GI	none	Score	72
Exons	2..91, 76..159, 97..192, 97..369, 197..487, 199..456, 303..581, 304..582, 304..597, 412..663, 467..664, 514..789, 622..894, 680..892, 724..1029, 782..1030, 832..1059, 934..1152		

Seq. No.	1944	Seq. ID	OJ990823_02.9B15.C13
Gene No.	4068	Strand	-
Start	1	End	3615
Name	OJ990823_02.9B15.C13.o1.ts	Method	TBLASTX:Soybean
Start	5	End	1200
GI	none	Score	70
Exons	5..94, 31..330, 73..219, 79..192, 79..534, 82..447, 91..864, 97..219, 100..543, 193..660, 289..417, 310..1173, 311..544, 415..1179, 425..886, 448..615, 514..660, 592..966, 635..1060, 736..1200, 737..1102, 782..961, 815..1120, 904..1041		

Seq. No.	1944	Seq. ID	OJ990823_02.9B15.C13
Gene No.	4068	Strand	-
Start	1	End	3615
Name	OJ990823_02.9B15.C13.o1.gs	Method	GENSCAN
Start	28	End	1623
GI	none	Score	.86
Exons	28..1623		

Seq. No.	1944	Seq. ID	OJ990823_02.9B15.C13
Gene No.	4068	Strand	-
Start	1	End	3615
Name	OJ990823_02.9B15.C13.o3.np	Method	AAT/NAP
Start	1167	End	3615
GI	5305335	Score	233
Exons	1167..1627, 1907..1944, 3352..3615		
GI Descrip.	(AF071081) proline-rich mucin homolog [Mycobacterium tuberculosis]		

Seq. No.	1945	Seq. ID	OJ990823_02.9B15.C14
Gene No.	4069	Strand	-
Start	1	End	731
Name	OJ990823_02.9B15.C14.o1.np	Method	AAT/NAP
Start	1	End	731
GI	3096930	Score	373
Exons	1..473, 568..731		
GI Descrip.	(AL023094) Homeodomain-like protein [Arabidopsis thaliana]		

Seq. No.	1945	Seq. ID	OJ990823_02.9B15.C14
Gene No.	4069	Strand	-
Start	1	End	731
Name	OJ990823_02.9B15.C14.o1.gs	Method	GENSCAN
Start	91	End	660
GI	none	Score	.62
Exons	91..362, 568..660		

Seq. No.	1945	Seq. ID	OJ990823_02.9B15.C14
Gene No.	4069	Strand	-
Start	1	End	731
Name	OJ990823_02.9B15.C14.o1.ts	Method	TBLASTX:Soybean
Start	91	End	672
GI	none	Score	61
Exons	91..171, 114..176, 180..257, 336..476, 343..474, 556..672, 565..618		

Seq. No.	1945	Seq. ID	OJ990823_02.9B15.C14
Gene No.	4069	Strand	-
Start	1	End	731
Name	OJ990823_02.9B15.C14.o1.tm	Method	TBLASTX:Maize
Start	156	End	663
GI	none	Score	58
Exons	156..251, 156..263, 258..533, 340..474, 542..655, 565..663, 566..646, 567..656		

Seq. No.	1945	Seq. ID	OJ990823_02.9B15.C14
Gene No.	4069	Strand	-
Start	1	End	731
Name	OJ990823_02.9B15.C14.o1.gp	Method	AAT/GAP
Start	340	End	658
GI	LIB3432-059-P1-K1-A7	Score	283
Exons	340..473, 568..658		
GI Descrip.	'3096930/emb|CAA18840.1| 6.0e-21 (AL023094) Homeodomain-like protein [Arabidopsis thaliana]'		

Seq. No.	1946	Seq. ID	OJ990823_02.9B15.C15
Gene No.	4070	Strand	+
Start	1	End	886
Name	OJ990823_02.9B15.C15.o1.np	Method	AAT/NAP
Start	1	End	804
GI	4544390	Score	709
Exons	1..804		
GI Descrip.	(AC007047) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1946	Seq. ID	OJ990823_02.9B15.C15
Gene No.	4070	Strand	+

Start	1	End	886
Name	OJ990823_02.9B15.C15.o1.gs	Method	GENSCAN
Start	31	End	886
GI	none	Score	.41
Exons	31..803, 883..886		

Seq. No.	1946	Seq. ID	OJ990823_02.9B15.C15
Gene No.	4071	Strand	-
Start	1339	End	1707
Name	OJ990823_02.9B15.C15.o1.gp	Method	AAT/GAP
Start	1339	End	1707
GI	none	Score	607
Exons	1339..1707		

Seq. No.	1946	Seq. ID	OJ990823_02.9B15.C15
Gene No.	4072	Strand	-
Start	1753	End	3971
Name	OJ990823_02.9B15.C15.o2.gs	Method	GENSCAN
Start	1753	End	3829
GI	none	Score	.92
Exons	1753..2421, 2520..2580, 2663..2934, 3140..3829		

Seq. No.	1946	Seq. ID	OJ990823_02.9B15.C15
Gene No.	4072	Strand	-
Start	1753	End	3971
Name	OJ990823_02.9B15.C15.o2.np	Method	AAT/NAP
Start	1756	End	3971
GI	3096930	Score	639
Exons	1756..1983, 2158..2421, 2520..2580, 2663..3045, 3140..3260, 3297..3701, 3855..3971		
GI Descrip.	(AL023094) Homeodomain-like protein [Arabidopsis thaliana]		

Seq. No.	1946	Seq. ID	OJ990823_02.9B15.C15
Gene No.	4072	Strand	-
Start	1753	End	3971
Name	OJ990823_02.9B15.C15.o2.gp	Method	AAT/GAP
Start	2038	End	2400
GI	none	Score	535
Exons	2038..2400		

Seq. No.	1946	Seq. ID	OJ990823_02.9B15.C15
Gene No.	4072	Strand	-
Start	1753	End	3971
Name	OJ990823_02.9B15.C15.o3.gp	Method	AAT/GAP
Start	2912	End	3230
GI	LIB3432-059-P1-K1-A7	Score	283
Exons	2912..3045, 3140..3230		
GI Descrip.	'3096930/emb|CAA18840.1| 6.0e-21 (AL023094) Homeodomain-like protein [Arabidopsis thaliana]'		

Seq. No.	1946	Seq. ID	OJ990823_02.9B15.C15
Gene No.	4073	Strand	-
Start	4080	End	5003
Name	OJ990823_02.9B15.C15.o1.tm	Method	TBLASTX:Maize
Start	1	End	579
GI	none	Score	105
Exons	1..156, 201..578, 220..579		

Seq. No.	1946	Seq. ID	OJ990823_02.9B15.C15
Gene No.	4073	Strand	-
Start	4080	End	5003
Name	OJ990823_02.9B15.C15.o1.tc	Method	TBLASTX:Cress
Start	204	End	540
GI	none	Score	327
Exons	204..539, 220..540		

Seq. No.	1946	Seq. ID	OJ990823_02.9B15.C15
Gene No.	4073	Strand	-
Start	4080	End	5003
Name	OJ990823_02.9B15.C15.o4.tm	Method	TBLASTX:Maize
Start	583	End	804
GI	none	Score	221
Exons	583..804, 589..789		

Seq. No.	1946	Seq. ID	OJ990823_02.9B15.C15
Gene No.	4073	Strand	-
Start	4080	End	5003
Name	OJ990823_02.9B15.C15.o2.tm	Method	TBLASTX:Maize
Start	2333	End	3048
GI	none	Score	109
Exons	2333..2419, 2344..2421, 2517..2588, 2527..2580, 2660..2743, 2686..2748, 2752..2832, 2908..3048, 2915..2998		

Seq. No.	1946	Seq. ID	OJ990823_02.9B15.C15
Gene No.	4073	Strand	-
Start	4080	End	5003
Name	OJ990823_02.9B15.C15.o1.ts	Method	TBLASTX:Soybean
Start	2342	End	3244
GI	none	Score	96
Exons	2342..2425, 2344..2421, 2517..2588, 2527..2577, 2663..2743, 2686..2748, 2752..2829, 2908..3048, 2915..3046, 3128..3244, 3137..3193		

Seq. No.	1946	Seq. ID	OJ990823_02.9B15.C15
Gene No.	4073	Strand	-
Start	4080	End	5003
Name	OJ990823_02.9B15.C15.o2.tc	Method	TBLASTX:Cress
Start	2350	End	2745
GI	none	Score	93
Exons	2350..2421, 2351..2431, 2517..2588, 2533..2580, 2660..2743, 2686..2745		

Seq. No.	1946	Seq. ID	OJ990823_02.9B15.C15
Gene No.	4073	Strand	-
Start	4080	End	5003
Name	OJ990823_02.9B15.C15.o3.tm	Method	TBLASTX:Maize
Start	3114	End	3458
GI	none	Score	112
Exons	3114..3227, 3137..3235, 3138..3218, 3139..3228, 3302..3406, 3303..3458, 3304..3345, 3320..3403, 3405..3449		

Seq. No.	1946	Seq. ID	OJ990823_02.9B15.C15
Gene No.	4073	Strand	-
Start	4080	End	5003

Name	OJ990823_02.9B15.C15.o4.gp	Method	AAT/GAP
Start	4080	End	5003
GI	none	Score	906
Exons	4080..4470, 4914..5003		

Seq. No.	1947	Seq. ID	OJ990823_03.9B19.C1
Gene No.	4074	Strand	+
Start	1	End	173
Name	OJ990823_03.9B19.C1.o1.np	Method	AAT/NAP
Start	1	End	173
GI	6006374	Score	271
Exons	1..173		
GI Descrip.	(AP000559) Similar to Rice tungro bacilliform virus; reverse transcriptase (D10774) [Oryza sativa]		

Seq. No.	1948	Seq. ID	OJ990823_03.9B19.C2
Gene No.	4075	Strand	-
Start	272	End	487
Name	OJ990823_03.9B19.C2.o1.np	Method	AAT/NAP
Start	263	End	487
GI	5306268	Score	170
Exons	263..487		
GI Descrip.	(AC006233) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1948	Seq. ID	OJ990823_03.9B19.C2
Gene No.	4075	Strand	-
Start	272	End	487
Name	OJ990823_03.9B19.C2.o1.gs	Method	GENSCAN
Start	272	End	430
GI	none	Score	.99
Exons	272..430		

Seq. No.	1949	Seq. ID	OJ990823_03.9B19.C3
Gene No.	4076	Strand	+
Start	1805	End	3767
Name	OJ990823_03.9B19.C3.o1.np	Method	AAT/NAP
Start	1805	End	3746
GI	4218008	Score	92
Exons	1805..1839, 3502..3746		
GI Descrip.	(AC006135) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1949	Seq. ID	OJ990823_03.9B19.C3
Gene No.	4076	Strand	+
Start	1805	End	3767
Name	OJ990823_03.9B19.C3.o1.gs	Method	GENSCAN
Start	2685	End	3767
GI	none	Score	.7
Exons	2685..3244, 3323..3767		

Seq. No.	1949	Seq. ID	OJ990823_03.9B19.C3
Gene No.	4077	Strand	-
Start	7086	End	7203
Name	OJ990823_03.9B19.C3.o2.gs	Method	GENSCAN
Start	7086	End	7203
GI	none	Score	.89
Exons	7086..7203		

Seq. No.	1950	Seq. ID	OJ990823_03.9B19.C4
Gene No.	4078	Strand	+
Start	1439	End	5039
Name	OJ990823_03.9B19.C4.o1.gs	Method	GENSCAN
Start	1439	End	5039
GI	none	Score	.77
Exons	1439..1595, 1949..1994, 2082..2145, 2417..2623, 2929..3181, 3695..3854, 4389..4504, 4570..5039		

Seq. No.	1950	Seq. ID	OJ990823_03.9B19.C4
Gene No.	4079	Strand	+
Start	8898	End	9687
Name	OJ990823_03.9B19.C4.o1.np	Method	AAT/NAP
Start	8898	End	9687
GI	5921832	Score	211
Exons	8898..8999, 9268..9459, 9492..9687		
GI Descrip.	COPPER TRANSPORTER 1 gi|1082054|emb|CAA90018| (Z49859) copper transporter protein [Arabidopsis thaliana]		

Seq. No.	1950	Seq. ID	OJ990823_03.9B19.C4
Gene No.	4080	Strand	-
Start	5875	End	10967
Name	OJ990823_03.9B19.C4.o2.gs	Method	GENSCAN
Start	5875	End	10967
GI	none	Score	.64
Exons	5875..6407, 6716..6833, 9162..9629, 9817..9907, 10671..10757, 10778..10864, 10876..10967		

Seq. No.	1951	Seq. ID	OJ990823_03.9B19.C5
Gene No.	4081	Strand	+
Start	772	End	3455
Name	OJ990823_03.9B19.C5.o1.gs	Method	GENSCAN
Start	772	End	3455
GI	none	Score	.66
Exons	772..791, 2728..2851, 3175..3455		

Seq. No.	1952	Seq. ID	OJ990823_03.9B19.C6
Gene No.	4082	Strand	+
Start	924	End	1030
Name	OJ990823_03.9B19.C6.o1.gs	Method	GENSCAN
Start	924	End	1030
GI	none	Score	.96
Exons	924..1030		

Seq. No.	1952	Seq. ID	OJ990823_03.9B19.C6
Gene No.	4083	Strand	+
Start	2001	End	2641
Name	OJ990823_03.9B19.C6.o2.gs	Method	GENSCAN
Start	2001	End	2641
GI	none	Score	.94
Exons	2001..2334, 2625..2641		

Seq. No.	1952	Seq. ID	OJ990823_03.9B19.C6
Gene No.	4083	Strand	+
Start	2001	End	2641
Name	OJ990823_03.9B19.C6.o1.np	Method	AAT/NAP
Start	2004	End	2348

GI	4895197	Score	242
Exons	2004..2348		
GI Descrip.	(AC007661) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1952	Seq. ID	OJ990823_03.9B19.C6
Gene No.	4084	Strand	+
Start	5701	End	6491
Name	OJ990823_03.9B19.C6.o3.gs	Method	GENSCAN
Start	5701	End	6491
GI	none	Score	.9
Exons	5701..6043, 6463..6491		

Seq. No.	1952	Seq. ID	OJ990823_03.9B19.C6
Gene No.	4084	Strand	+
Start	5701	End	6491
Name	OJ990823_03.9B19.C6.o2.np	Method	AAT/NAP
Start	5710	End	6057
GI	4895197	Score	199
Exons	5710..6057		
GI Descrip.	(AC007661) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1952	Seq. ID	OJ990823_03.9B19.C6
Gene No.	4085	Strand	+
Start	7437	End	7649
Name	OJ990823_03.9B19.C6.o1.tc	Method	TBLASTX:Cress
Start	2067	End	6074
GI	none	Score	137
Exons	2067..2186, 2096..2179, 2202..2333, 2207..2332, 5781..5882, 5782..5853, 5911..6042, 5922..6074		

Seq. No.	1952	Seq. ID	OJ990823_03.9B19.C6
Gene No.	4085	Strand	+
Start	7437	End	7649
Name	OJ990823_03.9B19.C6.o1.ts	Method	TBLASTX:Soybean
Start	2067	End	6042
GI	none	Score	38
Exons	2067..2087, 2088..2201, 2202..2333, 2207..2332, 5920..6042, 5925..6041		

Seq. No.	1952	Seq. ID	OJ990823_03.9B19.C6
Gene No.	4085	Strand	+
Start	7437	End	7649
Name	OJ990823_03.9B19.C6.o1.tw	Method	TBLASTX:Wheat
Start	2067	End	6083
GI	none	Score	181
Exons	2067..2201, 2096..2197, 2136..2333, 2202..2240, 2204..2332, 5781..5924, 5782..5925, 5911..6042, 5913..6074, 5913..6083		

Seq. No.	1952	Seq. ID	OJ990823_03.9B19.C6
Gene No.	4085	Strand	+
Start	7437	End	7649
Name	OJ990823_03.9B19.C6.o1.tm	Method	TBLASTX:Maize
Start	2070	End	6044
GI	none	Score	402
Exons	2070..2333, 2090..2332, 5781..5918, 5782..5856, 5911..6042, 5913..6044, 5922..6041, 5971..6042		

Seq. No.	1952	Seq. ID	OJ990823_03.9B19.C6
Gene No.	4085	Strand	+
Start	7437	End	7649
Name	OJ990823_03.9B19.C6.o4.gs	Method	GENSCAN
Start	7437	End	7649
GI	none	Score	1
Exons	7437..7649		

Seq. No.	1953	Seq. ID	OJ990823_03.9B19.C7
Gene No.	4086	Strand	+
Start	536	End	9715
Name	OJ990823_03.9B19.C7.o2.np	Method	AAT/NAP
Start	536	End	9715
GI	5734621	Score	171
Exons	536..585, 4659..4758, 5054..5122, 5773..5841, 6008..6352, 9686..9715		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	1953	Seq. ID	OJ990823_03.9B19.C7
Gene No.	4086	Strand	+
Start	536	End	9715
Name	OJ990823_03.9B19.C7.o2.gs	Method	GENSCAN
Start	5561	End	7841
GI	none	Score	.83
Exons	5561..5825, 5837..6108, 6165..6338, 6880..6953, 7357..7466, 7510..7530, 7609..7841		

Seq. No.	1953	Seq. ID	OJ990823_03.9B19.C7
Gene No.	4086	Strand	+
Start	536	End	9715
Name	OJ990823_03.9B19.C7.o1.gp	Method	AAT/GAP
Start	7039	End	7380
GI	uC-osflM202051g01b1	Score	393
Exons	7039..7380		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 7.0e-77 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	1953	Seq. ID	OJ990823_03.9B19.C7
Gene No.	4087	Strand	-
Start	273	End	4797
Name	OJ990823_03.9B19.C7.o1.np	Method	AAT/NAP
Start	273	End	4794
GI	5763821	Score	741
Exons	273..383, 492..558, 1035..1245, 1321..1397, 1601..1666, 1790..1838, 2259..2317, 2530..2627, 2700..2788, 2885..2970, 3133..3186, 3314..3503, 4572..4794		
GI Descrip.	(AJ238590) E2F protein [Triticum sp.]		

Seq. No.	1953	Seq. ID	OJ990823_03.9B19.C7
Gene No.	4087	Strand	-
Start	273	End	4797
Name	OJ990823_03.9B19.C7.o1.gs	Method	GENSCAN
Start	472	End	4797
GI	none	Score	.85
Exons	472..558, 1035..1280, 1601..1666, 1790..1838, 2700..2827,		

4609..4797

Seq. No.	1953	Seq. ID	OJ990823_03.9B19.C7
Gene No.	4088	Strand	-
Start	9167	End	9367
Name	OJ990823_03.9B19.C7.o3.gs	Method	GENSCAN
Start	9167	End	9367
GI	none	Score	.85
Exons	9167..9236, 9291..9367		

Seq. No.	1954	Seq. ID	OJ990823_03.9B19.C8
Gene No.	4089	Strand	+
Start	17	End	3026
Name	OJ990823_03.9B19.C8.o1.np	Method	AAT/NAP
Start	17	End	3026
GI	1076722	Score	493
Exons	17..58, 153..227, 713..795, 891..970, 1719..1807, 2771..2806, 2948..3026		
GI Descrip.	hypothetical protein - barley (fragment)		

Seq. No.	1955	Seq. ID	OJ990823_03.9B19.C10
Gene No.	4090	Strand	-
Start	1	End	939
Name	OJ990823_03.9B19.C10.o1.np	Method	AAT/NAP
Start	1	End	939
GI	6006374	Score	1449
Exons	1..939		
GI Descrip.	(AP000559) Similar to Rice tungro bacilliform virus; reverse transcriptase (D10774) [Oryza sativa]		

Seq. No.	1956	Seq. ID	OJ990823_03.9B19.C11
Gene No.	4091	Strand	-
Start	974	End	3502
Name	OJ990823_03.9B19.C11.o1.gs	Method	GENSCAN
Start	974	End	3502
GI	none	Score	.51
Exons	974..1156, 1699..1752, 1966..2570, 2998..3061, 3267..3502		

Seq. No.	1957	Seq. ID	OJ990823_03.9B19.C13
Gene No.	4092	Strand	+
Start	6403	End	7033
Name	OJ990823_03.9B19.C13.o2.gs	Method	GENSCAN
Start	6403	End	7033
GI	none	Score	.79
Exons	6403..6543, 6695..6764, 7026..7033		

Seq. No.	1957	Seq. ID	OJ990823_03.9B19.C13
Gene No.	4093	Strand	-
Start	711	End	3874
Name	OJ990823_03.9B19.C13.o1.gs	Method	GENSCAN
Start	711	End	3871
GI	none	Score	.79
Exons	711..1823, 1907..2150, 2594..3519, 3527..3871		

Seq. No.	1957	Seq. ID	OJ990823_03.9B19.C13
Gene No.	4093	Strand	-
Start	711	End	3874

Name	OJ990823_03.9B19.C13.o1.np	Method	AAT/NAP
Start	717	End	3871
GI	4886278	Score	1180
Exons	717..881, 912..1820, 1895..1973, 2471..3121, 3149..3224, 3300..3871		
GI Descrip.	(AL050300) putative protein [Arabidopsis thaliana]		

Seq. No.	1957	Seq. ID	OJ990823_03.9B19.C13
Gene No.	4093	Strand	-
Start	711	End	3874
Name	OJ990823_03.9B19.C13.o2.tm	Method	TBLASTX:Maize
Start	909	End	1421
GI	none	Score	104
Exons	909..1145, 928..1116, 1264..1359, 1272..1394, 1380..1421		

Seq. No.	1957	Seq. ID	OJ990823_03.9B19.C13
Gene No.	4093	Strand	-
Start	711	End	3874
Name	OJ990823_03.9B19.C13.o2.ts	Method	TBLASTX:Soybean
Start	1272	End	1520
GI	none	Score	86
Exons	1272..1373, 1273..1368, 1386..1520, 1393..1464		

Seq. No.	1957	Seq. ID	OJ990823_03.9B19.C13
Gene No.	4093	Strand	-
Start	711	End	3874
Name	OJ990823_03.9B19.C13.o1.ts	Method	TBLASTX:Soybean
Start	2641	End	3874
GI	none	Score	102
Exons	2641..2745, 3373..3522, 3374..3520, 3600..3692, 3635..3691, 3692..3874		

Seq. No.	1957	Seq. ID	OJ990823_03.9B19.C13
Gene No.	4093	Strand	-
Start	711	End	3874
Name	OJ990823_03.9B19.C13.o1.tm	Method	TBLASTX:Maize
Start	3458	End	3871
GI	none	Score	98
Exons	3458..3526, 3472..3525, 3542..3565, 3621..3752, 3635..3730, 3737..3871, 3738..3869		

Seq. No.	1957	Seq. ID	OJ990823_03.9B19.C13
Gene No.	4093	Strand	-
Start	711	End	3874
Name	OJ990823_03.9B19.C13.o1.tc	Method	TBLASTX:Cress
Start	3630	End	3874
GI	none	Score	66
Exons	3630..3692, 3635..3691, 3692..3874		

Seq. No.	1958	Seq. ID	OJ990823_03.9B19.C14
Gene No.	4094	Strand	+
Start	4299	End	4422
Name	OJ990823_03.9B19.C14.o1.gp	Method	AAT/GAP
Start	4299	End	4422
GI	none	Score	228
Exons	4299..4422		

Seq. No.	1958	Seq. ID	OJ990823_03.9B19.C14
Gene No.	4095	Strand	+
Start	8687	End	9120
Name	OJ990823_03.9B19.C14.o3.gp	Method	AAT/GAP
Start	8687	End	9120
GI	LIB3479-006-Q6-K1-B11	Score	610
Exons	8687..9120		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	1958	Seq. ID	OJ990823_03.9B19.C14
Gene No.	4096	Strand	+
Start	11638	End	15817
Name	OJ990823_03.9B19.C14.o5.gs	Method	GENSCAN
Start	11638	End	15817
GI	none	Score	.69
Exons	11638..11654, 11841..12639, 13176..13208, 13751..13838, 13923..14404, 14502..14768, 14838..15187, 15286..15817		

Seq. No.	1958	Seq. ID	OJ990823_03.9B19.C14
Gene No.	4096	Strand	+
Start	11638	End	15817
Name	OJ990823_03.9B19.C14.o1.np	Method	AAT/NAP
Start	11918	End	15814
GI	5354158	Score	2209
Exons	11918..11999, 12089..12639, 13176..13208, 13751..13838, 13923..14404, 14502..14768, 14838..15187, 15286..15814		
GI Descrip.	(AF149841) digalactosyldiacylglycerol synthase [Arabidopsis thaliana] gi|5354160|gb|AAD42379.1|AF149842_1 (AF149842) digalactosyldiacylglycerol synthase [Arabidopsis thaliana] gi|6041825|gb|AAF02140.1|AC009918_12 (AC009918) digalactosyldiacylglycerol synthase [Arabidopsis thaliana]		

Seq. No.	1958	Seq. ID	OJ990823_03.9B19.C14
Gene No.	4097	Strand	-
Start	4604	End	5470
Name	OJ990823_03.9B19.C14.o2.gs	Method	GENSCAN
Start	4604	End	5352
GI	none	Score	.96
Exons	4604..5056, 5071..5352		

Seq. No.	1958	Seq. ID	OJ990823_03.9B19.C14
Gene No.	4097	Strand	-
Start	4604	End	5470
Name	OJ990823_03.9B19.C14.o2.gp	Method	AAT/GAP
Start	4811	End	5470
GI	28866_1.R1084	Score	1086
Exons	4811..5056, 5144..5470		
GI Descrip.	'4886280/emb|CAB43430.1| 1.0e-26 (AL050300) putative protein [Arabidopsis thaliana]'		

Seq. No.	1958	Seq. ID	OJ990823_03.9B19.C14
Gene No.	4098	Strand	-
Start	10647	End	11221
Name	OJ990823_03.9B19.C14.o4.gs	Method	GENSCAN
Start	10647	End	11221
GI	none	Score	.44

Exons	10647..10690, 10943..11128, 11191..11221		

Seq. No.	1958	Seq. ID	OJ990823_03.9B19.C14
Gene No.	4099	Strand	-
Start	15951	End	25112
Name	OJ990823_03.9B19.C14.o2.ts	Method	TBLASTX:Soybean
Start	4718	End	5346
GI	none	Score	110
Exons	4718..4906, 4737..4886, 4880..5053, 4905..4964, 5170..5346		

Seq. No.	1958	Seq. ID	OJ990823_03.9B19.C14
Gene No.	4099	Strand	-
Start	15951	End	25112
Name	OJ990823_03.9B19.C14.o2.tc	Method	TBLASTX:Cress
Start	4730	End	5053
GI	none	Score	96
Exons	4730..5053, 4743..4970		

Seq. No.	1958	Seq. ID	OJ990823_03.9B19.C14
Gene No.	4099	Strand	-
Start	15951	End	25112
Name	OJ990823_03.9B19.C14.o3.tm	Method	TBLASTX:Maize
Start	4796	End	5352
GI	none	Score	344
Exons	4796..5053, 4797..5060, 4983..5057, 5078..5347, 5140..5352		

Seq. No.	1958	Seq. ID	OJ990823_03.9B19.C14
Gene No.	4099	Strand	-
Start	15951	End	25112
Name	OJ990823_03.9B19.C14.o5.tm	Method	TBLASTX:Maize
Start	13748	End	14113
GI	none	Score	104
Exons	13748..13837, 13748..13828, 13750..13836, 13920..14030, 13922..14005, 13991..14113		

Seq. No.	1958	Seq. ID	OJ990823_03.9B19.C14
Gene No.	4099	Strand	-
Start	15951	End	25112
Name	OJ990823_03.9B19.C14.o1.ts	Method	TBLASTX:Soybean
Start	14060	End	15817
GI	none	Score	502
Exons	14060..14464, 14068..14400, 14072..14404, 14481..14780, 14487..14675, 14501..14779, 14718..14780, 14829..15185, 14830..15189, 14836..15048, 14837..15208, 14837..15178, 15283..15576, 15284..15580, 15302..15580, 15584..15817, 15637..15816		

Seq. No.	1958	Seq. ID	OJ990823_03.9B19.C14
Gene No.	4099	Strand	-
Start	15951	End	25112
Name	OJ990823_03.9B19.C14.o2.tm	Method	TBLASTX:Maize
Start	14118	End	14726
GI	none	Score	479
Exons	14118..14402, 14120..14407, 14122..14406, 14481..14726, 14487..14675, 14501..14725		

Seq. No.	1958	Seq. ID	OJ990823_03.9B19.C14

Gene No.	4099	Strand	-
Start	15951	End	25112
Name	OJ990823_03.9B19.C14.o1.tc	Method	TBLASTX:Cress
Start	14636	End	15086
GI	none	Score	175
Exons	14636..14770, 14637..14780, 14829..15086, 14849..15085		

Seq. No.	1958	Seq. ID	OJ990823_03.9B19.C14
Gene No.	4099	Strand	-
Start	15951	End	25112
Name	OJ990823_03.9B19.C14.o1.tm	Method	TBLASTX:Maize
Start	14733	End	15826
GI	none	Score	64
Exons	14733..14780, 14829..15188, 14840..15190, 14858..15190, 15270..15566, 15286..15573, 15287..15574, 15290..15574, 15610..15819, 15617..15826		

Seq. No.	1958	Seq. ID	OJ990823_03.9B19.C14
Gene No.	4099	Strand	-
Start	15951	End	25112
Name	OJ990823_03.9B19.C14.o2.np	Method	AAT/NAP
Start	15951	End	20864
GI	6041820	Score	717
Exons	15951..16004, 18012..18302, 18411..18560, 18679..18791, 19061..19332, 19701..19841, 20594..20864		
GI Descrip.	(AC009918) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1958	Seq. ID	OJ990823_03.9B19.C14
Gene No.	4099	Strand	-
Start	15951	End	25112
Name	OJ990823_03.9B19.C14.o6.gs	Method	GENSCAN
Start	17964	End	25112
GI	none	Score	.57
Exons	17964..18317, 18411..18560, 18679..18791, 19061..19332, 19701..19740, 19765..19841, 20594..20936, 21029..21065, 23387..23508, 23929..23998, 24284..24383, 24590..24755, 24822..24907, 24941..25112		

Seq. No.	1958	Seq. ID	OJ990823_03.9B19.C14
Gene No.	4099	Strand	-
Start	15951	End	25112
Name	OJ990823_03.9B19.C14.o3.ts	Method	TBLASTX:Soybean
Start	18444	End	20756
GI	none	Score	150
Exons	18444..18551, 19101..19310, 19109..19324, 20631..20756		

Seq. No.	1958	Seq. ID	OJ990823_03.9B19.C14
Gene No.	4099	Strand	-
Start	15951	End	25112
Name	OJ990823_03.9B19.C14.o4.tm	Method	TBLASTX:Maize
Start	20598	End	20832
GI	none	Score	159
Exons	20598..20720, 20631..20831, 20650..20832		

Seq. No.	1958	Seq. ID	OJ990823_03.9B19.C14
Gene No.	4099	Strand	-
Start	15951	End	25112

Name	OJ990823_03.9B19.C14.o4.gp	Method	AAT/GAP
Start	20602	End	21062
GI	2428208	Score	854
Exons	20602..21062		
GI Descrip.	6041820/gb|AAF02135.1|AC009918_7 1.0e-13 (AC009918) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1959	Seq. ID	OJ990823_03.9B19.C16
Gene No.	4100	Strand	-
Start	5208	End	6560
Name	OJ990823_03.9B19.C16.o2.gs	Method	GENSCAN
Start	5208	End	6560
GI	none	Score	.95
Exons	5208..6560		

Seq. No.	1959	Seq. ID	OJ990823_03.9B19.C16
Gene No.	4100	Strand	-
Start	5208	End	6560
Name	OJ990823_03.9B19.C16.o1.np	Method	AAT/NAP
Start	5211	End	6536
GI	4510376	Score	726
Exons	5211..5990, 6066..6536		
GI Descrip.	(AC007017) unknown protein [Arabidopsis thaliana]		

Seq. No.	1959	Seq. ID	OJ990823_03.9B19.C16
Gene No.	4100	Strand	-
Start	5208	End	6560
Name	OJ990823_03.9B19.C16.o1.ts	Method	TBLASTX:Soybean
Start	5214	End	6512
GI	none	Score	58
Exons	5214..5354, 5229..5288, 5325..5438, 5326..5412, 5445..5555, 5622..5726, 5784..5894, 5895..5975, 6081..6116, 6294..6347, 6295..6354, 6378..6512, 6379..6507		

Seq. No.	1959	Seq. ID	OJ990823_03.9B19.C16
Gene No.	4100	Strand	-
Start	5208	End	6560
Name	OJ990823_03.9B19.C16.o1.tw	Method	TBLASTX:Wheat
Start	6294	End	6524
GI	none	Score	117
Exons	6294..6410, 6295..6408, 6414..6509, 6415..6507, 6417..6524		

Seq. No.	1960	Seq. ID	OJ990823_03.9B19.C17
Gene No.	4101	Strand	+
Start	434	End	1867
Name	OJ990823_03.9B19.C17.o1.gs	Method	GENSCAN
Start	434	End	1867
GI	none	Score	.71
Exons	434..446, 1851..1867		

Seq. No.	1960	Seq. ID	OJ990823_03.9B19.C17
Gene No.	4102	Strand	+
Start	12663	End	13240
Name	OJ990823_03.9B19.C17.o4.gs	Method	GENSCAN
Start	12663	End	13240
GI	none	Score	.89
Exons	12663..13240		

Seq. No.	1960	Seq. ID	OJ990823_03.9B19.C17
Gene No.	4103	Strand	-
Start	3141	End	13267
Name	OJ990823_03.9B19.C17.o2.gs	Method	GENSCAN
Start	3141	End	9263
GI	none	Score	.43
Exons	3141..3343, 3503..3800, 4058..4177, 4248..4314, 5061..5255, 7151..7266, 7417..7587, 7814..7903, 8003..8075, 8257..8333, 8589..8931, 9028..9263		

Seq. No.	1960	Seq. ID	OJ990823_03.9B19.C17
Gene No.	4103	Strand	-
Start	3141	End	13267
Name	OJ990823_03.9B19.C17.o1.np	Method	AAT/NAP
Start	7534	End	12012
GI	5042454	Score	3455
Exons	7534..7587, 7814..7989, 8215..8242, 8826..9372, 10004..11713, 11770..12012		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	1960	Seq. ID	OJ990823_03.9B19.C17
Gene No.	4103	Strand	-
Start	3141	End	13267
Name	OJ990823_03.9B19.C17.o2.tw	Method	TBLASTX:Wheat
Start	8721	End	8988
GI	none	Score	147
Exons	8721..8987, 8725..8988		

Seq. No.	1960	Seq. ID	OJ990823_03.9B19.C17
Gene No.	4103	Strand	-
Start	3141	End	13267
Name	OJ990823_03.9B19.C17.o2.tm	Method	TBLASTX:Maize
Start	10051	End	10305
GI	none	Score	77
Exons	10051..10134, 10052..10147, 10135..10248, 10135..10305		

Seq. No.	1960	Seq. ID	OJ990823_03.9B19.C17
Gene No.	4103	Strand	-
Start	3141	End	13267
Name	OJ990823_03.9B19.C17.o1.tw	Method	TBLASTX:Wheat
Start	10649	End	11041
GI	none	Score	98
Exons	10649..10906, 10683..10922, 10889..10987, 10890..10982, 10994..11041		

Seq. No.	1960	Seq. ID	OJ990823_03.9B19.C17
Gene No.	4103	Strand	-
Start	3141	End	13267
Name	OJ990823_03.9B19.C17.o1.tm	Method	TBLASTX:Maize
Start	10751	End	11036
GI	none	Score	92
Exons	10751..10999, 10752..11036		

Seq. No.	1960	Seq. ID	OJ990823_03.9B19.C17
Gene No.	4103	Strand	-
Start	3141	End	13267

Name	OJ990823_03.9B19.C17.o2.np	Method	AAT/NAP
Start	11908	End	13267
GI	5042454	Score	69
Exons	11908..11976, 13216..13267		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	1961	Seq. ID	OJ990823_03.9B19.C18
Gene No.	4104	Strand	-
Start	3833	End	4354
Name	OJ990823_03.9B19.C18.o3.gs	Method	GENSCAN
Start	3833	End	4354
GI	none	Score	.56
Exons	3833..4354		

Seq. No.	1961	Seq. ID	OJ990823_03.9B19.C18
Gene No.	4105	Strand	-
Start	5826	End	6866
Name	OJ990823_03.9B19.C18.o4.gs	Method	GENSCAN
Start	5826	End	6866
GI	none	Score	.73
Exons	5826..5968, 6812..6866		

Seq. No.	1962	Seq. ID	OJ990823_03.9B19.C19
Gene No.	4106	Strand	-
Start	1289	End	1842
Name	OJ990823_03.9B19.C19.o1.gs	Method	GENSCAN
Start	1289	End	1794
GI	none	Score	.42
Exons	1289..1794		

Seq. No.	1962	Seq. ID	OJ990823_03.9B19.C19
Gene No.	4106	Strand	-
Start	1289	End	1842
Name	OJ990823_03.9B19.C19.o1.np	Method	AAT/NAP
Start	1292	End	1842
GI	6633828	Score	180
Exons	1292..1468, 1515..1842		
GI Descrip.	(AC009519) F1N19.18 [Arabidopsis thaliana]		

Seq. No.	1962	Seq. ID	OJ990823_03.9B19.C19
Gene No.	4106	Strand	-
Start	1289	End	1842
Name	OJ990823_03.9B19.C19.o1.ts	Method	TBLASTX:Soybean
Start	1293	End	1768
GI	none	Score	61
Exons	1293..1358, 1295..1384, 1430..1465, 1574..1663, 1593..1655, 1691..1768, 1693..1755		

Seq. No.	1962	Seq. ID	OJ990823_03.9B19.C19
Gene No.	4106	Strand	-
Start	1289	End	1842
Name	OJ990823_03.9B19.C19.o1.gp	Method	AAT/GAP
Start	1300	End	1654
GI	1631814	Score	646
Exons	1300..1654		

Seq. No.	1962	Seq. ID	OJ990823_03.9B19.C19

Gene No.	4106	Strand	-
Start	1289	End	1842
Name	OJ990823_03.9B19.C19.o1.tm	Method	TBLASTX:Maize
Start	1438	End	1742
GI	none	Score	106
Exons	1438..1566, 1439..1564, 1447..1566, 1570..1656, 1575..1664, 1580..1663, 1677..1742, 1694..1741		

Seq. No.	1963	Seq. ID	OJ990823_03.9B19.C20
Gene No.	4107	Strand	-
Start	130	End	2804
Name	OJ990823_03.9B19.C20.o1.gs	Method	GENSCAN
Start	130	End	2804
GI	none	Score	.78
Exons	130..1211, 1828..1932, 2326..2438, 2740..2804		

Seq. No.	1964	Seq. ID	OJ990823_03.9B19.C21
Gene No.	4108	Strand	-
Start	876	End	2388
Name	OJ990823_03.9B19.C21.o1.gs	Method	GENSCAN
Start	876	End	2388
GI	none	Score	.53
Exons	876..981, 1509..1641, 2159..2388		

Seq. No.	1965	Seq. ID	OJ990823_03.9B19.C22
Gene No.	4109	Strand	+
Start	49	End	3401
Name	OJ990823_03.9B19.C22.o1.gs	Method	GENSCAN
Start	49	End	3401
GI	none	Score	.75
Exons	49..207, 1596..1708, 2821..2909, 2953..3141, 3222..3401		

Seq. No.	1965	Seq. ID	OJ990823_03.9B19.C22
Gene No.	4110	Strand	+
Start	3901	End	4669
Name	OJ990823_03.9B19.C22.o2.gs	Method	GENSCAN
Start	3901	End	4669
GI	none	Score	.51
Exons	3901..3958, 4062..4189, 4279..4333, 4362..4669		

Seq. No.	1965	Seq. ID	OJ990823_03.9B19.C22
Gene No.	4111	Strand	+
Start	4671	End	8631
Name	OJ990823_03.9B19.C22.o1.np	Method	AAT/NAP
Start	4671	End	8631
GI	5668814	Score	503
Exons	4671..4698, 6637..6941, 7062..7247, 8578..8631		
GI Descrip.	(AC007519) ESTs gb|H36253 and gb|AA04251 come from this gene. [Arabidopsis thaliana]		

Seq. No.	1965	Seq. ID	OJ990823_03.9B19.C22
Gene No.	4112	Strand	-
Start	10510	End	12121
Name	OJ990823_03.9B19.C22.o4.gs	Method	GENSCAN
Start	10510	End	12121
GI	none	Score	.5
Exons	10510..10653, 10700..10828, 12053..12121		

Seq. No.	1965	Seq. ID	OJ990823_03.9B19.C22
Gene No.	4113	Strand	-
Start	12685	End	15642
Name	OJ990823_03.9B19.C22.o1.tm	Method	TBLASTX:Maize
Start	6632	End	8794
GI	none	Score	299
Exons	6632..6940, 6635..6937, 6654..6941, 7059..7250, 7063..7245, 8575..8760, 8577..8633, 8582..8707, 8694..8780, 8704..8775, 8717..8794		

Seq. No.	1965	Seq. ID	OJ990823_03.9B19.C22
Gene No.	4113	Strand	-
Start	12685	End	15642
Name	OJ990823_03.9B19.C22.o1.tw	Method	TBLASTX:Wheat
Start	6634	End	6841
GI	none	Score	208
Exons	6634..6723, 6635..6841, 6638..6841		

Seq. No.	1965	Seq. ID	OJ990823_03.9B19.C22
Gene No.	4113	Strand	-
Start	12685	End	15642
Name	OJ990823_03.9B19.C22.o1.ts	Method	TBLASTX:Soybean
Start	6665	End	8634
GI	none	Score	221
Exons	6665..6943, 6669..6941, 6728..6943, 7059..7250, 7059..7247, 7064..7249, 7168..7269, 8575..8634		

Seq. No.	1965	Seq. ID	OJ990823_03.9B19.C22
Gene No.	4113	Strand	-
Start	12685	End	15642
Name	OJ990823_03.9B19.C22.o1.tc	Method	TBLASTX:Cress
Start	6668	End	8640
GI	none	Score	214
Exons	6668..6940, 6669..6941, 6679..6942, 6803..6988, 6807..6941, 7059..7250, 7127..7249, 8575..8640		

Seq. No.	1965	Seq. ID	OJ990823_03.9B19.C22
Gene No.	4113	Strand	-
Start	12685	End	15642
Name	OJ990823_03.9B19.C22.o5.gs	Method	GENSCAN
Start	12685	End	15642
GI	none	Score	.7
Exons	12685..12861, 13138..13476, 15598..15642		

Seq. No.	1966	Seq. ID	OJ990823_03.9B19.C25
Gene No.	4114	Strand	+
Start	1	End	2506
Name	OJ990823_03.9B19.C25.o1.np	Method	AAT/NAP
Start	1	End	2506
GI	6006375	Score	1360
Exons	1..791, 1076..1164, 2411..2506		
GI Descrip.	(AP000559) Similar to ORF3 protein - rice tungro bacilliform virus &RTUORFS_2 (C40785) [Oryza sativa]		

Seq. No.	1966	Seq. ID	OJ990823_03.9B19.C25
Gene No.	4114	Strand	+

Start	1	End	2506
Name	OJ990823_03.9B19.C25.o1.gs	Method	GENSCAN
Start	547	End	2252
GI	none	Score	.42
Exons	547..631, 792..945, 2024..2252		

Seq. No.	1967	Seq. ID	OJ990823_03.9B19.C26
Gene No.	4115	Strand	+
Start	1201	End	3286
Name	OJ990823_03.9B19.C26.o1.np	Method	AAT/NAP
Start	1201	End	3286
GI	6539571	Score	49
Exons	1201..1226, 2329..2460, 3197..3286		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	1967	Seq. ID	OJ990823_03.9B19.C26
Gene No.	4116	Strand	-
Start	18	End	3425
Name	OJ990823_03.9B19.C26.o1.gs	Method	GENSCAN
Start	18	End	3425
GI	none	Score	.89
Exons	18..232, 672..751, 1752..1890, 2376..2450, 3290..3425		

Seq. No.	1968	Seq. ID	OJ990823_03.9B19.C28
Gene No.	4117	Strand	+
Start	1	End	1786
Name	OJ990823_03.9B19.C28.o1.np	Method	AAT/NAP
Start	1	End	1418
GI	6041837	Score	159
Exons	1..21, 1211..1418		
GI Descrip.	(AC009853) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	1968	Seq. ID	OJ990823_03.9B19.C28
Gene No.	4117	Strand	+
Start	1	End	1786
Name	OJ990823_03.9B19.C28.o1.gp	Method	AAT/GAP
Start	1072	End	1396
GI	702750	Score	611
Exons	1072..1396		
GI Descrip.	4886282/emb|CAB43434.1| 1.0e-14 (AL050300) putative protein [Arabidopsis thaliana]		

Seq. No.	1968	Seq. ID	OJ990823_03.9B19.C28
Gene No.	4117	Strand	+
Start	1	End	1786
Name	OJ990823_03.9B19.C28.o1.gs	Method	GENSCAN
Start	1109	End	1786
GI	none	Score	.99
Exons	1109..1786		

Seq. No.	1968	Seq. ID	OJ990823_03.9B19.C28
Gene No.	4117	Strand	+
Start	1	End	1786
Name	OJ990823_03.9B19.C28.o1.tm	Method	TBLASTX:Maize
Start	1198	End	1576
GI	none	Score	329
Exons	1198..1452, 1199..1399, 1460..1576		

Seq. No.	1968	Seq. ID	OJ990823_03.9B19.C28
Gene No.	4117	Strand	+
Start	1	End	1786
Name	OJ990823_03.9B19.C28.o1.ts	Method	TBLASTX:Soybean
Start	1199	End	1434
GI	none	Score	280
Exons	1199..1396, 1204..1434		

Seq. No.	1968	Seq. ID	OJ990823_03.9B19.C28
Gene No.	4117	Strand	+
Start	1	End	1786
Name	OJ990823_03.9B19.C28.o1.tw	Method	TBLASTX:Wheat
Start	1210	End	1386
GI	none	Score	185
Exons	1210..1386, 1211..1375		

Seq. No.	1968	Seq. ID	OJ990823_03.9B19.C28
Gene No.	4117	Strand	+
Start	1	End	1786
Name	OJ990823_03.9B19.C28.o1.tc	Method	TBLASTX:Cress
Start	1211	End	1425
GI	none	Score	263
Exons	1211..1399, 1219..1425		

Seq. No.	1969	Seq. ID	OJ990823_03.9B19.C30
Gene No.	4118	Strand	-
Start	157	End	249
Name	OJ990823_03.9B19.C30.o1.gs	Method	GENSCAN
Start	157	End	249
GI	none	Score	.59
Exons	157..249		

Seq. No.	1969	Seq. ID	OJ990823_03.9B19.C30
Gene No.	4119	Strand	
Start	157	End	321
Name	OJ990823_03.9B19.C30.o1.tm	Method	TBLASTX:Maize
Start	157	End	321
GI	none	Score	109
Exons	157..321, 158..280		

Seq. No.	1970	Seq. ID	OJ990923_07.9B23.C2
Gene No.	4120	Strand	-
Start	1	End	631
Name	OJ990923_07.9B23.C2.o1.np	Method	AAT/NAP
Start	1	End	631
GI	4519258	Score	412
Exons	1..631		
GI Descrip.	(AB017914) L-zip+NBS+LRR [Oryza sativa]		

Seq. No.	1970	Seq. ID	OJ990923_07.9B23.C2
Gene No.	4120	Strand	-
Start	1	End	631
Name	OJ990923_07.9B23.C2.o1.gs	Method	GENSCAN
Start	15	End	456
GI	none	Score	.79
Exons	15..456		

Seq. No.	1971	Seq. ID	OJ990923_07.9B23.C5
Gene No.	4121	Strand	+
Start	4529	End	5732
Name	OJ990923_07.9B23.C5.o2.gs	Method	GENSCAN
Start	4529	End	5732
GI	none	Score	.92
Exons	4529..4731, 4878..5023, 5473..5732		

Seq. No.	1971	Seq. ID	OJ990923_07.9B23.C5
Gene No.	4122	Strand	+
Start	7204	End	10608
Name	OJ990923_07.9B23.C5.o2.np	Method	AAT/NAP
Start	7204	End	10608
GI	2289003	Score	1565
Exons	7204..7351, 7870..7975, 8020..8355, 9358..9465, 9546..9731, 9917..10608		
GI Descrip.	(AC002335) putative membrane transporter [Arabidopsis thaliana]		

Seq. No.	1971	Seq. ID	OJ990923_07.9B23.C5
Gene No.	4122	Strand	+
Start	7204	End	10608
Name	OJ990923_07.9B23.C5.o3.gs	Method	GENSCAN
Start	7204	End	10588
GI	none	Score	.56
Exons	7204..7351, 7870..7940, 8020..8355, 9546..9731, 9917..10588		

Seq. No.	1971	Seq. ID	OJ990923_07.9B23.C5
Gene No.	4122	Strand	+
Start	7204	End	10608
Name	OJ990923_07.9B23.C5.o1.gp	Method	AAT/GAP
Start	8008	End	8838
GI	428259	Score	797
Exons	8008..8355, 8774..8838		
GI Descrip.	2289003 1.0e-29 (AC002335) membrane transporter D1 isolog [Arabidopsis thaliana]		

Seq. No.	1971	Seq. ID	OJ990923_07.9B23.C5
Gene No.	4122	Strand	+
Start	7204	End	10608
Name	OJ990923_07.9B23.C5.o2.gp	Method	AAT/GAP
Start	9542	End	10114
GI	17173_1.R1084	Score	719
Exons	9542..9731, 9917..10114		
GI Descrip.	'2289003 1.0e-28 (AC002335) membrane transporter D1 isolog [Arabidopsis thaliana]'		

Seq. No.	1971	Seq. ID	OJ990923_07.9B23.C5
Gene No.	4123	Strand	+
Start	12729	End	16941
Name	OJ990923_07.9B23.C5.o3.np	Method	AAT/NAP
Start	12714	End	16911
GI	2213586	Score	833
Exons	12714..12816, 12949..13166, 13973..14474, 16076..16911		
GI Descrip.	(AC000348) T7N9.6 [Arabidopsis thaliana]		

Seq. No.	1971	Seq. ID	OJ990923_07.9B23.C5

Gene No.	4123	Strand	+
Start	12729	End	16941
Name	OJ990923_07.9B23.C5.o5.gs	Method	GENSCAN
Start	12729	End	16941
GI	none	Score	.82
Exons	12729..12816, 12949..13149, 13908..14413, 15890..16008, 16134..16941		

Seq. No.	1971	Seq. ID	OJ990923_07.9B23.C5
Gene No.	4123	Strand	+
Start	12729	End	16941
Name	OJ990923_07.9B23.C5.o4.gp	Method	AAT/GAP
Start	13072	End	14176
GI	none	Score	534
Exons	13072..13166, 13973..14176		

Seq. No.	1971	Seq. ID	OJ990923_07.9B23.C5
Gene No.	4124	Strand	+
Start	23027	End	27233
Name	OJ990923_07.9B23.C5.o7.gs	Method	GENSCAN
Start	23027	End	27233
GI	none	Score	.73
Exons	23027..23069, 23855..24069, 24666..24920, 25253..25693, 26116..26240, 26447..27233		

Seq. No.	1971	Seq. ID	OJ990923_07.9B23.C5
Gene No.	4125	Strand	-
Start	10170	End	12209
Name	OJ990923_07.9B23.C5.o3.gp	Method	AAT/GAP
Start	10170	End	11075
GI	84862_1.R1084	Score	1778
Exons	10170..11075		
GI Descrip.	'2289003 3.0e-41 (AC002335) membrane transporter D1 isolog [Arabidopsis thaliana]'		

Seq. No.	1971	Seq. ID	OJ990923_07.9B23.C5
Gene No.	4125	Strand	-
Start	10170	End	12209
Name	OJ990923_07.9B23.C5.o4.gs	Method	GENSCAN
Start	10779	End	12209
GI	none	Score	.69
Exons	10779..10925, 11124..11213, 11396..11990, 12151..12209		

Seq. No.	1971	Seq. ID	OJ990923_07.9B23.C5
Gene No.	4126	Strand	-
Start	19467	End	27191
Name	OJ990923_07.9B23.C5.o8.tm	Method	TBLASTX:Maize
Start	6929	End	7356
GI	none	Score	51
Exons	6929..7066, 7190..7237, 7201..7269, 7201..7257, 7250..7288, 7251..7292, 7257..7352, 7258..7356, 7315..7353		

Seq. No.	1971	Seq. ID	OJ990923_07.9B23.C5
Gene No.	4126	Strand	-
Start	19467	End	27191
Name	OJ990923_07.9B23.C5.o1.ts	Method	TBLASTX:Soybean
Start	7200	End	10573

GI	none	Score	113
Exons	7200..7247, 7249..7356, 7275..7352, 7866..7940, 7868..7927, 8010..8357, 8020..8358, 9357..9458, 9358..9465, 9358..9465, 9540..9728, 9913..10083, 9917..10171, 9925..10062, 10216..10572, 10217..10573		

Seq. No.	1971	Seq. ID	OJ990923_07.9B23.C5
Gene No.	4126	Strand	-
Start	19467	End	27191
Name	OJ990923_07.9B23.C5.o3.tc	Method	TBLASTX:Cress
Start	7871	End	9465
GI	none	Score	80
Exons	7871..7942, 7872..7940, 8017..8217, 8019..8240, 8020..8241, 8242..8283, 8247..8357, 8269..8310, 8311..8358, 9357..9404, 9358..9402, 9418..9465, 9418..9459		

Seq. No.	1971	Seq. ID	OJ990923_07.9B23.C5
Gene No.	4126	Strand	-
Start	19467	End	27191
Name	OJ990923_07.9B23.C5.o6.tm	Method	TBLASTX:Maize
Start	9573	End	10054
GI	none	Score	180
Exons	9573..9731, 9576..9704, 9578..9736, 9638..9730, 9911..10054, 9915..10052, 9916..10053		

Seq. No.	1971	Seq. ID	OJ990923_07.9B23.C5
Gene No.	4126	Strand	-
Start	19467	End	27191
Name	OJ990923_07.9B23.C5.o2.tc	Method	TBLASTX:Cress
Start	10202	End	10435
GI	none	Score	295
Exons	10202..10435, 10216..10434		

Seq. No.	1971	Seq. ID	OJ990923_07.9B23.C5
Gene No.	4126	Strand	-
Start	19467	End	27191
Name	OJ990923_07.9B23.C5.o4.tm	Method	TBLASTX:Maize
Start	10202	End	10435
GI	none	Score	288
Exons	10202..10435, 10216..10434		

Seq. No.	1971	Seq. ID	OJ990923_07.9B23.C5
Gene No.	4126	Strand	-
Start	19467	End	27191
Name	OJ990923_07.9B23.C5.o2.tw	Method	TBLASTX:Wheat
Start	10261	End	10537
GI	none	Score	282
Exons	10261..10518, 10262..10537, 10286..10534		

Seq. No.	1971	Seq. ID	OJ990923_07.9B23.C5
Gene No.	4126	Strand	-
Start	19467	End	27191
Name	OJ990923_07.9B23.C5.o3.tw	Method	TBLASTX:Wheat
Start	12747	End	25309
GI	none	Score	75
Exons	12747..12827, 12950..13165, 12963..13181, 14006..14032, 14021..14104, 18268..18336, 18273..18329, 23896..24069,		

25243..25308, 25244..25309

Seq. No.	1971	Seq. ID	OJ990923_07.9B23.C5
Gene No.	4126	Strand	-
Start	19467	End	27191
Name	OJ990923_07.9B23.C5.o1.tc	Method	TBLASTX:Cress
Start	12947	End	27176
GI	none	Score	140
Exons	12947..13111, 12966..13181, 14006..14032, 14054..14419, 14062..14415, 16186..16497, 16200..16235, 16278..16547, 16555..16893, 16560..16682, 18259..18333, 25244..25312, 25298..25696, 25330..25695, 26448..26951, 26582..26785, 27066..27176		

Seq. No.	1971	Seq. ID	OJ990923_07.9B23.C5
Gene No.	4126	Strand	-
Start	19467	End	27191
Name	OJ990923_07.9B23.C5.o2.ts	Method	TBLASTX:Soybean
Start	12993	End	26948
GI	none	Score	92
Exons	12993..13145, 14021..14419, 16177..16482, 16284..16529, 16555..16779, 16572..16775, 16789..16893, 25247..25309, 25319..25696, 25321..25695, 26463..26948		

Seq. No.	1971	Seq. ID	OJ990923_07.9B23.C5
Gene No.	4126	Strand	-
Start	19467	End	27191
Name	OJ990923_07.9B23.C5.o5.tm	Method	TBLASTX:Maize
Start	12993	End	26816
GI	none	Score	87
Exons	12993..13127, 16177..16332, 16339..16488, 16555..16767, 16558..16755, 16792..16893, 26595..26816		

Seq. No.	1971	Seq. ID	OJ990923_07.9B23.C5
Gene No.	4126	Strand	-
Start	19467	End	27191
Name	OJ990923_07.9B23.C5.o2.tm	Method	TBLASTX:Maize
Start	14015	End	25582
GI	none	Score	156
Exons	14015..14200, 14068..14187, 14177..14302, 25294..25467, 25295..25462, 25450..25581, 25457..25582		

Seq. No.	1971	Seq. ID	OJ990923_07.9B23.C5
Gene No.	4126	Strand	-
Start	19467	End	27191
Name	OJ990923_07.9B23.C5.o4.tw	Method	TBLASTX:Wheat
Start	16576	End	27191
GI	none	Score	153
Exons	16576..16776, 16789..16902, 27081..27191		

Seq. No.	1971	Seq. ID	OJ990923_07.9B23.C5
Gene No.	4126	Strand	-
Start	19467	End	27191
Name	OJ990923_07.9B23.C5.o4.np	Method	AAT/NAP
Start	19467	End	24904
GI	6069646	Score	699
Exons	19467..20418, 20699..21188, 24815..24904		

GI Descrip. (AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No.	1971	Seq. ID	OJ990923_07.9B23.C5
Gene No.	4126	Strand	-
Start	19467	End	27191
Name	OJ990923_07.9B23.C5.o3.tm	Method	TBLASTX:Maize
Start	19674	End	19955
GI	none	Score	92
Exons	19674..19955, 19819..19953		

Seq. No.	1971	Seq. ID	OJ990923_07.9B23.C5
Gene No.	4126	Strand	-
Start	19467	End	27191
Name	OJ990923_07.9B23.C5.o7.tm	Method	TBLASTX:Maize
Start	20178	End	20460
GI	none	Score	43
Exons	20178..20282, 20226..20282, 20286..20447, 20287..20460		

Seq. No.	1971	Seq. ID	OJ990923_07.9B23.C5
Gene No.	4126	Strand	-
Start	19467	End	27191
Name	OJ990923_07.9B23.C5.o1.tw	Method	TBLASTX:Wheat
Start	20446	End	20880
GI	none	Score	55
Exons	20446..20580, 20473..20580, 20587..20880, 20588..20878		

Seq. No.	1971	Seq. ID	OJ990923_07.9B23.C5
Gene No.	4126	Strand	-
Start	19467	End	27191
Name	OJ990923_07.9B23.C5.o1.tm	Method	TBLASTX:Maize
Start	20524	End	21177
GI	none	Score	62
Exons	20524..20559, 20587..21177, 20588..20794, 20755..20970, 20870..21028, 21053..21151, 21061..21162		

Seq. No.	1972	Seq. ID	OJ990923_07.9B23.C6
Gene No.	4127	Strand	+
Start	1	End	1971
Name	OJ990923_07.9B23.C6.o1.np	Method	AAT/NAP
Start	1	End	1932
GI	2213586	Score	734
Exons	1..127, 323..889, 1151..1932		

GI Descrip. (AC000348) T7N9.6 [Arabidopsis thaliana]

Seq. No.	1972	Seq. ID	OJ990923_07.9B23.C6
Gene No.	4127	Strand	+
Start	1	End	1971
Name	OJ990923_07.9B23.C6.o1.gs	Method	GENSCAN
Start	317	End	1971
GI	none	Score	.97
Exons	317..763, 869..1005, 1137..1971		

Seq. No.	1972	Seq. ID	OJ990923_07.9B23.C6

Gene No.	4128	Strand	-
Start	2419	End	7324
Name	OJ990923_07.9B23.C6.o1.tc	Method	TBLASTX:Cress
Start	383	End	1905
GI	none	Score	157
Exons	383..655, 449..661, 457..774, 716..766, 860..913, 1159..1476, 1546..1773, 1813..1905		

Seq. No.	1972	Seq. ID	OJ990923_07.9B23.C6
Gene No.	4128	Strand	-
Start	2419	End	7324
Name	OJ990923_07.9B23.C6.o2.ts	Method	TBLASTX:Soybean
Start	404	End	789
GI	none	Score	223
Exons	404..766, 412..789		

Seq. No.	1972	Seq. ID	OJ990923_07.9B23.C6
Gene No.	4128	Strand	-
Start	2419	End	7324
Name	OJ990923_07.9B23.C6.o3.tm	Method	TBLASTX:Maize
Start	472	End	897
GI	none	Score	185
Exons	472..759, 473..655, 494..763, 716..763, 868..897		

Seq. No.	1972	Seq. ID	OJ990923_07.9B23.C6
Gene No.	4128	Strand	-
Start	2419	End	7324
Name	OJ990923_07.9B23.C6.o2.tm	Method	TBLASTX:Maize
Start	1162	End	1914
GI	none	Score	84
Exons	1162..1353, 1330..1593, 1402..1488, 1566..1763, 1570..1764, 1812..1910, 1813..1914		

Seq. No.	1972	Seq. ID	OJ990923_07.9B23.C6
Gene No.	4128	Strand	-
Start	2419	End	7324
Name	OJ990923_07.9B23.C6.o1.ts	Method	TBLASTX:Soybean
Start	1339	End	1905
GI	none	Score	112
Exons	1339..1542, 1567..1764, 1795..1905		

Seq. No.	1972	Seq. ID	OJ990923_07.9B23.C6
Gene No.	4128	Strand	-
Start	2419	End	7324
Name	OJ990923_07.9B23.C6.o2.gs	Method	GENSCAN
Start	2419	End	6440
GI	none	Score	.61
Exons	2419..2598, 2627..2830, 2845..3080, 3909..4010, 4128..6019, 6100..6440		

Seq. No.	1972	Seq. ID	OJ990923_07.9B23.C6
Gene No.	4128	Strand	-
Start	2419	End	7324
Name	OJ990923_07.9B23.C6.o2.np	Method	AAT/NAP
Start	3693	End	7324
GI	4835246	Score	255
Exons	3693..4734, 4771..5067, 7298..7324		

GI Descrip. (AL049862) putative disease resistance protein [Arabidopsis thaliana]

Seq. No.	1972	Seq. ID	OJ990923_07.9B23.C6
Gene No.	4128	Strand	-
Start	2419	End	7324
Name	OJ990923_07.9B23.C6.o1.tm	Method	TBLASTX:Maize
Start	4162	End	4546
GI	none	Score	174
Exons	4162..4545, 4250..4546		

Seq. No.	1973	Seq. ID	OJ990923_07.9B23.C7
Gene No.	4129	Strand	+
Start	1	End	781
Name	OJ990923_07.9B23.C7.o1.np	Method	AAT/NAP
Start	1	End	781
GI	4519258	Score	328
Exons	1..475, 545..781		

GI Descrip. (AB017914) L-zip+NBS+LRR [Oryza sativa]

Seq. No.	1974	Seq. ID	OJ990923_07.9B23.C8
Gene No.	4130	Strand	+
Start	635	End	1145
Name	OJ990923_07.9B23.C8.o1.gp	Method	AAT/GAP
Start	635	End	1145
GI	uC-osflcyp035a09b1	Score	699
Exons	635..725, 847..1145		

GI Descrip. '2880051 2.0e-30 (AC002340) putative protein kinase [Arabidopsis thaliana]'

Seq. No.	1974	Seq. ID	OJ990923_07.9B23.C8
Gene No.	4130	Strand	+
Start	635	End	1145
Name	OJ990923_07.9B23.C8.o1.gs	Method	GENSCAN
Start	639	End	963
GI	none	Score	.6
Exons	639..725, 847..963		

Seq. No.	1974	Seq. ID	OJ990923_07.9B23.C8
Gene No.	4131	Strand	+
Start	11338	End	13320
Name	OJ990923_07.9B23.C8.o2.np	Method	AAT/NAP
Start	11335	End	13317
GI	3763934	Score	1142
Exons	11335..11913, 11995..12684, 12712..13317		

GI Descrip. (AC004450) hypothetical protein [Arabidopsis thaliana]

Seq. No.	1974	Seq. ID	OJ990923_07.9B23.C8
Gene No.	4131	Strand	+
Start	11338	End	13320
Name	OJ990923_07.9B23.C8.o3.gs	Method	GENSCAN
Start	11338	End	13320
GI	none	Score	1
Exons	11338..13320		

Seq. No.	1974	Seq. ID	OJ990923_07.9B23.C8
Gene No.	4132	Strand	+

Start	20383	End	20566
Name	OJ990923_07.9B23.C8.o4.np	Method	AAT/NAP
Start	20383	End	20566
GI	1076289	Score	159
Exons	20383..20566		
GI Descrip.	amino acid permease AAP5 - Arabidopsis thaliana gi|608673|emb|CAA54632| (X77501) amino acid permease [Arabidopsis thaliana]		

Seq. No.	1974	Seq. ID	OJ990923_07.9B23.C8
Gene No.	4133	Strand	-
Start	1	End	11203
Name	OJ990923_07.9B23.C8.o1.np	Method	AAT/NAP
Start	1	End	6684
GI	3763933	Score	922
Exons	1..491, 2530..2596, 2716..2792, 2880..3013, 3144..3251, 3818..3893, 3925..4154, 4243..4392, 5070..5169, 5603..5686, 5971..6027, 6296..6412, 6529..6684		
GI Descrip.	(AC004450) unknown protein [Arabidopsis thaliana]		

Seq. No.	1974	Seq. ID	OJ990923_07.9B23.C8
Gene No.	4133	Strand	-
Start	1	End	11203
Name	OJ990923_07.9B23.C8.o2.gp	Method	AAT/GAP
Start	1458	End	2966
GI	uC-osroM202008c12a1	Score	862
Exons	1458..1678, 2396..2459, 2548..2596, 2716..2792, 2880..2966		
GI Descrip.	'3763933 8.0e-16 (AC004450) unknown protein [Arabidopsis thaliana]'		

Seq. No.	1974	Seq. ID	OJ990923_07.9B23.C8
Gene No.	4133	Strand	-
Start	1	End	11203
Name	OJ990923_07.9B23.C8.o2.gs	Method	GENSCAN
Start	1628	End	11203
GI	none	Score	.64
Exons	1628..1678, 2548..2596, 2716..2831, 2880..3013, 3144..3251, 3818..3887, 4265..4387, 5097..5141, 5609..5686, 6296..6412, 6529..6708, 7503..7596, 8787..8886, 10493..10549, 10820..10997, 11150..11203		

Seq. No.	1974	Seq. ID	OJ990923_07.9B23.C8
Gene No.	4133	Strand	-
Start	1	End	11203
Name	OJ990923_07.9B23.C8.o3.gp	Method	AAT/GAP
Start	6377	End	7459
GI	none	Score	980
Exons	6377..6412, 6529..6792, 7201..7459		

Seq. No.	1974	Seq. ID	OJ990923_07.9B23.C8
Gene No.	4134	Strand	-
Start	13807	End	20501
Name	OJ990923_07.9B23.C8.o3.tm	Method	TBLASTX:Maize
Start	2403	End	4149
GI	none	Score	61
Exons	2403..2459, 2413..2460, 2542..2598, 2543..2596, 2548..2598, 2696..2794, 2715..2795, 2715..2795, 2880..3017, 2881..3018,		

2882..3019, 3138..3254, 3145..3252, 3145..3261, 3146..3301, 3810..3893, 3817..3888, 3818..3910, 4068..4145, 4072..4149, 4073..4147

Seq. No.	1974	Seq. ID	OJ990923_07.9B23.C8
Gene No.	4134	Strand	-
Start	13807	End	20501
Name	OJ990923_07.9B23.C8.o3.ts	Method	TBLASTX:Soybean
Start	2731	End	4309
GI	none	Score	50
Exons	2731..2793, 2757..2795, 2880..3017, 2881..3018, 2881..3018, 3145..3252, 3146..3253, 3816..3893, 3817..3891, 4023..4145, 4068..4148, 4072..4170, 4076..4150, 4238..4309		

Seq. No.	1974	Seq. ID	OJ990923_07.9B23.C8
Gene No.	4134	Strand	-
Start	13807	End	20501
Name	OJ990923_07.9B23.C8.o4.tm	Method	TBLASTX:Maize
Start	4238	End	6709
GI	none	Score	140
Exons	4238..4390, 4260..4391, 4261..4392, 4263..4421, 4891..4974, 4912..4971, 5077..5148, 5079..5147, 5604..5687, 5606..5713, 5611..5688, 5969..6031, 5971..6048, 5972..6046, 6296..6418, 6300..6413, 6529..6654, 6530..6619, 6575..6670, 6652..6708, 6659..6709		

Seq. No.	1974	Seq. ID	OJ990923_07.9B23.C8
Gene No.	4134	Strand	-
Start	13807	End	20501
Name	OJ990923_07.9B23.C8.o2.ts	Method	TBLASTX:Soybean
Start	6360	End	6695
GI	none	Score	73
Exons	6360..6416, 6362..6418, 6522..6689, 6529..6690, 6529..6693, 6587..6694, 6588..6695		

Seq. No.	1974	Seq. ID	OJ990923_07.9B23.C8
Gene No.	4134	Strand	-
Start	13807	End	20501
Name	OJ990923_07.9B23.C8.o1.tm	Method	TBLASTX:Maize
Start	11945	End	12617
GI	none	Score	92
Exons	11945..12097, 11947..12612, 11952..12617, 11953..12615		

Seq. No.	1974	Seq. ID	OJ990923_07.9B23.C8
Gene No.	4134	Strand	-
Start	13807	End	20501
Name	OJ990923_07.9B23.C8.o2.tm	Method	TBLASTX:Maize
Start	12898	End	13331
GI	none	Score	589
Exons	12898..13323, 12912..13331		

Seq. No.	1974	Seq. ID	OJ990923_07.9B23.C8
Gene No.	4134	Strand	-
Start	13807	End	20501
Name	OJ990923_07.9B23.C8.o4.gp	Method	AAT/GAP
Start	13807	End	16398
GI	5532_1.R1084	Score	2668

Exons	13807..14196, 14285..14388, 14501..14600, 14682..14779, 15076..15128, 15202..15261, 15341..15412, 15555..15626, 15718..15810, 15913..15980, 16061..16398
GI Descrip.	'2131161/pir||S67800 4.0e-49 4-nitrophenylphosphatase (EC 3.1.3.41) - yeast (Saccharomyces cerevisiae) >gi_1431400_emb_CAA98816_ (Z74284) ORF YDL236w [Saccharomyces cerevisiae]'

Seq. No.	1974	Seq. ID	OJ990923_07.9B23.C8
Gene No.	4134	Strand	-
Start	13807	End	20501
Name	OJ990923_07.9B23.C8.o4.gs	Method	GENSCAN
Start	14008	End	20501
GI	none	Score	.6
Exons	14008..14284, 14501..14600, 14682..14779, 15076..15172, 15174..15261, 15341..15412, 15555..15626, 15718..15845, 15913..15980, 16061..16469, 18992..19075, 20189..20222, 20292..20501		

Seq. No.	1974	Seq. ID	OJ990923_07.9B23.C8
Gene No.	4134	Strand	-
Start	13807	End	20501
Name	OJ990923_07.9B23.C8.o1.ts	Method	TBLASTX:Soybean
Start	14061	End	16118
GI	none	Score	100
Exons	14061..14198, 14090..14218, 14284..14391, 14284..14391, 14301..14417, 14498..14602, 14500..14601, 14505..14603, 14679..14774, 14680..14778, 14680..14781, 14681..14779, 15072..15131, 15075..15128, 15190..15258, 15200..15259, 15331..15414, 15341..15415, 15552..15632, 15553..15627, 15716..15811, 15718..15813, 15904..15996, 15914..15994, 16059..16118, 16059..16118		

Seq. No.	1974	Seq. ID	OJ990923_07.9B23.C8
Gene No.	4134	Strand	-
Start	13807	End	20501
Name	OJ990923_07.9B23.C8.o5.tm	Method	TBLASTX:Maize
Start	14087	End	14357
GI	none	Score	160
Exons	14087..14218, 14088..14204, 14089..14229, 14284..14355, 14284..14349, 14301..14357		

Seq. No.	1974	Seq. ID	OJ990923_07.9B23.C8
Gene No.	4134	Strand	-
Start	13807	End	20501
Name	OJ990923_07.9B23.C8.o2.tc	Method	TBLASTX:Cress
Start	14090	End	14532
GI	none	Score	85
Exons	14090..14218, 14094..14252, 14283..14387, 14284..14418, 14290..14391, 14301..14417, 14500..14532		

Seq. No.	1974	Seq. ID	OJ990923_07.9B23.C8
Gene No.	4134	Strand	-
Start	13807	End	20501
Name	OJ990923_07.9B23.C8.o3.np	Method	AAT/NAP
Start	14093	End	16151
GI	6319965	Score	212

Exons	14093..14196, 14282..14388, 14501..14625, 14710..14772, 15072..15132, 15273..15418, 15555..15626, 15718..15810, 15913..15980, 16061..16151
GI Descrip.	p-nitrophenyl phosphatase; Pho13p gi|2131161|pir||S67800 4-nitrophenylphosphatase (EC 3.1.3.41) - yeast (Saccharomyces cerevisiae) gi|1431400|emb|CAA98816| (Z74284) ORF YDL236w [Saccharomyces cerevisiae]

Seq. No.	1974	Seq. ID	OJ990923_07.9B23.C8
Gene No.	4134	Strand	-
Start	13807	End	20501
Name	OJ990923_07.9B23.C8.o6.tm	Method	TBLASTX:Maize
Start	14701	End	16109
GI	none	Score	59
Exons	14701..14781, 15073..15129, 15075..15128, 15184..15258, 15190..15258, 15341..15415, 15552..15632, 15553..15642, 15716..15811, 15718..15810, 15919..15996, 15920..15997, 16059..16109, 16062..16109		

Seq. No.	1974	Seq. ID	OJ990923_07.9B23.C8
Gene No.	4134	Strand	-
Start	13807	End	20501
Name	OJ990923_07.9B23.C8.o1.tc	Method	TBLASTX:Cress
Start	15716	End	16121
GI	none	Score	135
Exons	15716..15811, 15718..15813, 15904..15996, 15923..15994, 16059..16121		

Seq. No.	1974	Seq. ID	OJ990923_07.9B23.C8
Gene No.	4135	Strand	
Start	20410	End	20565
Name	OJ990923_07.9B23.C8.o7.tm	Method	TBLASTX:Maize
Start	20410	End	20565
GI	none	Score	193
Exons	20410..20565, 20442..20564		

Seq. No.	1974	Seq. ID	OJ990923_07.9B23.C8
Gene No.	4135	Strand	
Start	20410	End	20565
Name	OJ990923_07.9B23.C8.o3.tc	Method	TBLASTX:Cress
Start	20442	End	20565
GI	none	Score	191
Exons	20442..20558, 20443..20565		

Seq. No.	1974	Seq. ID	OJ990923_07.9B23.C8
Gene No.	4135	Strand	
Start	20410	End	20565
Name	OJ990923_07.9B23.C8.o4.ts	Method	TBLASTX:Soybean
Start	20442	End	20565
GI	none	Score	189
Exons	20442..20561, 20443..20565		

Seq. No.	1975	Seq. ID	OJ990923_07.9B23.C9
Gene No.	4136	Strand	+
Start	1	End	1273
Name	OJ990923_07.9B23.C9.o1.np	Method	AAT/NAP
Start	1	End	1273

GI	1076288	Score	711
Exons	1..126, 270..490, 581..721, 836..1273		
GI Descrip.	amino acid permease AAP3 - Arabidopsis thaliana		

Seq. No.	1975	Seq. ID	OJ990923_07.9B23.C9
Gene No.	4136	Strand	+
Start	1	End	1273
Name	OJ990923_07.9B23.C9.o1.gs	Method	GENSCAN
Start	8	End	747
GI	none	Score	.93
Exons	8..131, 305..490, 539..747		

Seq. No.	1975	Seq. ID	OJ990923_07.9B23.C9
Gene No.	4137	Strand	-
Start	819	End	1273
Name	OJ990923_07.9B23.C9.o1.tc	Method	TBLASTX:Cress
Start	8	End	1272
GI	none	Score	103
Exons	8..136, 274..306, 316..516, 318..488, 637..732, 838..1092, 921..1061, 1177..1272		

Seq. No.	1975	Seq. ID	OJ990923_07.9B23.C9
Gene No.	4137	Strand	-
Start	819	End	1273
Name	OJ990923_07.9B23.C9.o1.ts	Method	TBLASTX:Soybean
Start	274	End	1272
GI	none	Score	41
Exons	274..306, 316..516, 324..509, 637..732, 639..713, 838..1092, 924..1073, 1192..1272		

Seq. No.	1975	Seq. ID	OJ990923_07.9B23.C9
Gene No.	4137	Strand	-
Start	819	End	1273
Name	OJ990923_07.9B23.C9.o1.tm	Method	TBLASTX:Maize
Start	373	End	1077
GI	none	Score	130
Exons	373..516, 381..509, 631..717, 633..728, 633..728, 634..732, 841..1077, 921..1061		

Seq. No.	1975	Seq. ID	OJ990923_07.9B23.C9
Gene No.	4137	Strand	-
Start	819	End	1273
Name	OJ990923_07.9B23.C9.o2.gs	Method	GENSCAN
Start	819	End	1268
GI	none	Score	.96
Exons	819..1268		

Seq. No.	1975	Seq. ID	OJ990923_07.9B23.C9
Gene No.	4137	Strand	-
Start	819	End	1273
Name	OJ990923_07.9B23.C9.o1.tw	Method	TBLASTX:Wheat
Start	970	End	1272
GI	none	Score	152
Exons	970..1092, 975..1073, 1164..1268, 1168..1260, 1174..1272, 1185..1268		

Seq. No.	1975	Seq. ID	OJ990923_07.9B23.C9

Gene No.	4137	Strand	-
Start	819	End	1273
Name	OJ990923_07.9B23.C9.o1.gp	Method	AAT/GAP
Start	1073	End	1273
GI	uC-osroM202019c03a1	Score	374
Exons	1073..1273		
GI Descrip.	'1076288/pir||S51168 4.0e-22 amino acid permease AAP3 - Arabidopsis thaliana'		

Seq. No.	1976	Seq. ID	OJ990923_07.9B23.C10
Gene No.	4138	Strand	-
Start	319	End	377
Name	OJ990923_07.9B23.C10.o1.gs	Method	GENSCAN
Start	319	End	377
GI	none	Score	.61
Exons	319..377		

Seq. No.	1977	Seq. ID	OJ990923_07.9B23.C11
Gene No.	4139	Strand	+
Start	1	End	278
Name	OJ990923_07.9B23.C11.o1.gp	Method	AAT/GAP
Start	1	End	278
GI	7406_1.R1084	Score	463
Exons	1..278		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	1978	Seq. ID	OJ990923_07.9B23.C14
Gene No.	4140	Strand	-
Start	656	End	746
Name	OJ990923_07.9B23.C14.o1.gs	Method	GENSCAN
Start	656	End	746
GI	none	Score	.8
Exons	656..746		

Seq. No.	1979	Seq. ID	OJ990923_07.9B23.C15
Gene No.	4141	Strand	+
Start	22	End	83
Name	OJ990923_07.9B23.C15.o1.gs	Method	GENSCAN
Start	22	End	83
GI	none	Score	.77
Exons	22..83		

Seq. No.	1980	Seq. ID	OJ991113_42.9C27.C1
Gene No.	4142	Strand	-
Start	175	End	294
Name	OJ991113_42.9C27.C1.o1.gs	Method	GENSCAN
Start	175	End	294
GI	none	Score	.55
Exons	175..294		

Seq. No.	1981	Seq. ID	OJ991113_42.9C27.C2
Gene No.	4143	Strand	-
Start	300	End	902
Name	OJ991113_42.9C27.C2.o1.gs	Method	GENSCAN
Start	300	End	878
GI	none	Score	.42

Exons	300..878		
Seq. No.	1981	Seq. ID	OJ991113_42.9C27.C2
Gene No.	4143	Strand	-
Start	300	End	902
Name	OJ991113_42.9C27.C2.o1.tm	Method	TBLASTX:Maize
Start	307	End	899
GI	none	Score	94
Exons	307..336, 309..350, 360..545, 645..878, 646..894	363..518, 391..519, 636..899,	
Seq. No.	1981	Seq. ID	OJ991113_42.9C27.C2
Gene No.	4143	Strand	-
Start	300	End	902
Name	OJ991113_42.9C27.C2.o1.np	Method	AAT/NAP
Start	407	End	902
GI	3810596	Score	241
Exons	407..902		
GI Descrip.	(AC005398) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	1981	Seq. ID	OJ991113_42.9C27.C2
Gene No.	4143	Strand	-
Start	300	End	902
Name	OJ991113_42.9C27.C2.o1.tw	Method	TBLASTX:Wheat
Start	593	End	896
GI	none	Score	92
Exons	593..838, 623..775, 636..896,	636..893	
Seq. No.	1982	Seq. ID	OJ991113_42.9C27.C3
Gene No.	4144	Strand	+
Start	460	End	1054
Name	OJ991113_42.9C27.C3.o1.gs	Method	GENSCAN
Start	460	End	1054
GI	none	Score	.53
Exons	460..598, 746..870, 879..1054		
Seq. No.	1982	Seq. ID	OJ991113_42.9C27.C3
Gene No.	4145	Strand	+
Start	5412	End	7786
Name	OJ991113_42.9C27.C3.o1.gp	Method	AAT/GAP
Start	5412	End	7786
GI	none	Score	936
Exons	5412..5530, 7382..7786		
Seq. No.	1982	Seq. ID	OJ991113_42.9C27.C3
Gene No.	4146	Strand	-
Start	1	End	3333
Name	OJ991113_42.9C27.C3.o1.np	Method	AAT/NAP
Start	1	End	3333
GI	6466937	Score	1730
Exons	1..3333		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	1982	Seq. ID	OJ991113_42.9C27.C3
Gene No.	4146	Strand	-

Start	1	End	3333
Name	OJ991113_42.9C27.C3.o3.tm	Method	TBLASTX:Maize
Start	2	End	388
GI	none	Score	204
Exons	2..388, 9..332		

Seq. No.	1982	Seq. ID	OJ991113_42.9C27.C3
Gene No.	4146	Strand	-
Start	1	End	3333
Name	OJ991113_42.9C27.C3.o1.ts	Method	TBLASTX:Soybean
Start	35	End	406
GI	none	Score	151
Exons	35..406, 36..389		

Seq. No.	1982	Seq. ID	OJ991113_42.9C27.C3
Gene No.	4146	Strand	-
Start	1	End	3333
Name	OJ991113_42.9C27.C3.o2.tw	Method	TBLASTX:Wheat
Start	275	End	630
GI	none	Score	49
Exons	275..388, 276..332, 402..629, 403..519, 420..629, 568..630		

Seq. No.	1982	Seq. ID	OJ991113_42.9C27.C3
Gene No.	4146	Strand	-
Start	1	End	3333
Name	OJ991113_42.9C27.C3.o4.tm	Method	TBLASTX:Maize
Start	408	End	785
GI	none	Score	61
Exons	408..632, 430..525, 444..593, 645..785, 690..782		

Seq. No.	1982	Seq. ID	OJ991113_42.9C27.C3
Gene No.	4146	Strand	-
Start	1	End	3333
Name	OJ991113_42.9C27.C3.o4.ts	Method	TBLASTX:Soybean
Start	805	End	1059
GI	none	Score	120
Exons	805..1059, 854..1033		

Seq. No.	1982	Seq. ID	OJ991113_42.9C27.C3
Gene No.	4146	Strand	-
Start	1	End	3333
Name	OJ991113_42.9C27.C3.o1.tm	Method	TBLASTX:Maize
Start	820	End	1337
GI	none	Score	184
Exons	820..1107, 833..1105, 1105..1335, 1107..1337		

Seq. No.	1982	Seq. ID	OJ991113_42.9C27.C3
Gene No.	4146	Strand	-
Start	1	End	3333
Name	OJ991113_42.9C27.C3.o3.tw	Method	TBLASTX:Wheat
Start	970	End	1364
GI	none	Score	53
Exons	970..1128, 1045..1128, 1107..1364, 1132..1338		

Seq. No.	1982	Seq. ID	OJ991113_42.9C27.C3
Gene No.	4146	Strand	-
Start	1	End	3333

Name	OJ991113_42.9C27.C3.o2.ts	Method	TBLASTX:Soybean
Start	1107	End	1439
GI	none	Score	274
Exons	1107..1439		

Seq. No.	1982	Seq. ID	OJ991113_42.9C27.C3
Gene No.	4146	Strand	-
Start	1	End	3333
Name	OJ991113_42.9C27.C3.o7.tm	Method	TBLASTX:Maize
Start	1350	End	1518
GI	none	Score	89
Exons	1350..1517, 1353..1517, 1417..1518		

Seq. No.	1982	Seq. ID	OJ991113_42.9C27.C3
Gene No.	4146	Strand	-
Start	1	End	3333
Name	OJ991113_42.9C27.C3.o1.tw	Method	TBLASTX:Wheat
Start	1416	End	1898
GI	none	Score	111
Exons	1416..1898, 1419..1778, 1459..1887		

Seq. No.	1982	Seq. ID	OJ991113_42.9C27.C3
Gene No.	4146	Strand	-
Start	1	End	3333
Name	OJ991113_42.9C27.C3.o2.tm	Method	TBLASTX:Maize
Start	1519	End	2003
GI	none	Score	69
Exons	1519..1629, 1520..1792, 1521..2003, 1578..1883, 1702..1989		

Seq. No.	1982	Seq. ID	OJ991113_42.9C27.C3
Gene No.	4146	Strand	-
Start	1	End	3333
Name	OJ991113_42.9C27.C3.o3.ts	Method	TBLASTX:Soybean
Start	1548	End	1862
GI	none	Score	69
Exons	1548..1862, 1554..1748		

Seq. No.	1982	Seq. ID	OJ991113_42.9C27.C3
Gene No.	4146	Strand	-
Start	1	End	3333
Name	OJ991113_42.9C27.C3.o5.tm	Method	TBLASTX:Maize
Start	2115	End	2447
GI	none	Score	99
Exons	2115..2447, 2169..2360		

Seq. No.	1982	Seq. ID	OJ991113_42.9C27.C3
Gene No.	4147	Strand	
Start	7381	End	7775
Name	OJ991113_42.9C27.C3.o6.tm	Method	TBLASTX:Maize
Start	7381	End	7775
GI	none	Score	68
Exons	7381..7482, 7414..7491, 7422..7493, 7422..7490, 7487..7645, 7488..7649, 7491..7655, 7492..7701, 7507..7656, 7523..7702, 7652..7708, 7722..7775		

Seq. No.	1983	Seq. ID	OJ991113_42.9C27.C4
Gene No.	4148	Strand	+

Start	178	End	2004
Name	OJ991113_42.9C27.C4.o1.gs	Method	GENSCAN
Start	178	End	516
GI	none	Score	.45
Exons	178..516		

Seq. No.	1983	Seq. ID	OJ991113_42.9C27.C4
Gene No.	4148	Strand	+
Start	178	End	2004
Name	OJ991113_42.9C27.C4.o1.gp	Method	AAT/GAP
Start	338	End	2004
GI	3761970	Score	1005
Exons	338..606, 1715..2004		

Seq. No.	1983	Seq. ID	OJ991113_42.9C27.C4
Gene No.	4148	Strand	+
Start	178	End	2004
Name	OJ991113_42.9C27.C4.o1.tm	Method	TBLASTX:Maize
Start	363	End	572
GI	none	Score	114
Exons	363..479, 366..419, 367..510, 370..432, 492..572		

Seq. No.	1984	Seq. ID	OJ991113_42.9C27.C5
Gene No.	4149	Strand	+
Start	216	End	5933
Name	OJ991113_42.9C27.C5.o1.gs	Method	GENSCAN
Start	216	End	5933
GI	none	Score	.4
Exons	216..285, 4949..5081, 5483..5933		

Seq. No.	1984	Seq. ID	OJ991113_42.9C27.C5
Gene No.	4149	Strand	+
Start	216	End	5933
Name	OJ991113_42.9C27.C5.o1.np	Method	AAT/NAP
Start	2813	End	5930
GI	5777631	Score	1234
Exons	2813..3160, 3354..3441, 4949..5081, 5180..5930		
GI Descrip.	(AJ245900) CAA303719.1 protein [Oryza sativa]		

Seq. No.	1984	Seq. ID	OJ991113_42.9C27.C5
Gene No.	4150	Strand	+
Start	11154	End	13309
Name	OJ991113_42.9C27.C5.o3.gs	Method	GENSCAN
Start	11154	End	13309
GI	none	Score	.56
Exons	11154..11302, 11304..11358, 11538..11700, 12474..12556, 13178..13309		

Seq. No.	1984	Seq. ID	OJ991113_42.9C27.C5
Gene No.	4151	Strand	+
Start	14289	End	15548
Name	OJ991113_42.9C27.C5.o2.np	Method	AAT/NAP
Start	14289	End	15530
GI	6730709	Score	783
Exons	14289..14315, 14352..14927, 14973..15530		
GI Descrip.	(AC011809) Unknown protein [Arabidopsis thaliana]		

Seq. No.	1984	Seq. ID	OJ991113_42.9C27.C5
Gene No.	4151	Strand	+
Start	14289	End	15548
Name	OJ991113_42.9C27.C5.o4.gs	Method	GENSCAN
Start	14289	End	15548
GI	none	Score	1
Exons	14289..15548		

Seq. No.	1984	Seq. ID	OJ991113_42.9C27.C5
Gene No.	4152	Strand	+
Start	15488	End	15769
Name	OJ991113_42.9C27.C5.o1.gp	Method	AAT/GAP
Start	15488	End	15769
GI	none	Score	448
Exons	15488..15769		

Seq. No.	1984	Seq. ID	OJ991113_42.9C27.C5
Gene No.	4153	Strand	-
Start	8777	End	9402
Name	OJ991113_42.9C27.C5.o2.gs	Method	GENSCAN
Start	8777	End	9402
GI	none	Score	.94
Exons	8777..8839, 9023..9238, 9391..9402		

Seq. No.	1984	Seq. ID	OJ991113_42.9C27.C5
Gene No.	4154	Strand	-
Start	17218	End	17492
Name	OJ991113_42.9C27.C5.o2.tm	Method	TBLASTX:Maize
Start	2780	End	3076
GI	none	Score	345
Exons	2780..3076, 2807..3076		

Seq. No.	1984	Seq. ID	OJ991113_42.9C27.C5
Gene No.	4154	Strand	-
Start	17218	End	17492
Name	OJ991113_42.9C27.C5.o1.ts	Method	TBLASTX:Soybean
Start	2807	End	5444
GI	none	Score	431
Exons	2807..3160, 2812..3159, 3350..3433, 3351..3413, 4942..5082, 4947..5081, 4957..5082, 5165..5443, 5178..5444		

Seq. No.	1984	Seq. ID	OJ991113_42.9C27.C5
Gene No.	4154	Strand	-
Start	17218	End	17492
Name	OJ991113_42.9C27.C5.o1.tw	Method	TBLASTX:Wheat
Start	2807	End	3141
GI	none	Score	451
Exons	2807..3139, 2807..3136, 2809..3141		

Seq. No.	1984	Seq. ID	OJ991113_42.9C27.C5
Gene No.	4154	Strand	-
Start	17218	End	17492
Name	OJ991113_42.9C27.C5.o3.tc	Method	TBLASTX:Cress
Start	2812	End	3430
GI	none	Score	117
Exons	2812..2919, 2813..2923, 2951..3100, 2959..3096, 3097..3159, 3098..3160, 3326..3430, 3342..3413		

Seq. No.	1984	Seq. ID	OJ991113_42.9C27.C5
Gene No.	4154	Strand	-
Start	17218	End	17492
Name	OJ991113_42.9C27.C5.o2.tc	Method	TBLASTX:Cress
Start	4942	End	5381
GI	none	Score	153
Exons	4942..5082, 4947..5081, 4948..5082, 5165..5245, 5178..5237, 5256..5381, 5276..5380		

Seq. No.	1984	Seq. ID	OJ991113_42.9C27.C5
Gene No.	4154	Strand	-
Start	17218	End	17492
Name	OJ991113_42.9C27.C5.o1.tm	Method	TBLASTX:Maize
Start	5041	End	5941
GI	none	Score	45
Exons	5041..5082, 5165..5218, 5178..5282, 5254..5406, 5276..5512, 5277..5453, 5491..5556, 5505..5555, 5597..5731, 5598..5732, 5651..5734, 5780..5926, 5795..5941, 5802..5933		

Seq. No.	1984	Seq. ID	OJ991113_42.9C27.C5
Gene No.	4154	Strand	-
Start	17218	End	17492
Name	OJ991113_42.9C27.C5.o4.tw	Method	TBLASTX:Wheat
Start	5295	End	5564
GI	none	Score	175
Exons	5295..5453, 5295..5474, 5318..5515, 5529..5564		

Seq. No.	1984	Seq. ID	OJ991113_42.9C27.C5
Gene No.	4154	Strand	-
Start	17218	End	17492
Name	OJ991113_42.9C27.C5.o1.tc	Method	TBLASTX:Cress
Start	5382	End	5936
GI	none	Score	80
Exons	5382..5453, 5390..5443, 5456..5575, 5576..5728, 5598..5732, 5622..5735, 5795..5935, 5796..5933, 5799..5936		

Seq. No.	1984	Seq. ID	OJ991113_42.9C27.C5
Gene No.	4154	Strand	-
Start	17218	End	17492
Name	OJ991113_42.9C27.C5.o2.ts	Method	TBLASTX:Soybean
Start	5582	End	5936
GI	none	Score	207
Exons	5582..5722, 5583..5732, 5596..5751, 5612..5785, 5780..5926, 5795..5932, 5796..5936, 5799..5936		

Seq. No.	1984	Seq. ID	OJ991113_42.9C27.C5
Gene No.	4154	Strand	-
Start	17218	End	17492
Name	OJ991113_42.9C27.C5.o2.tw	Method	TBLASTX:Wheat
Start	5612	End	5732
GI	none	Score	204
Exons	5612..5731, 5613..5732		

Seq. No.	1984	Seq. ID	OJ991113_42.9C27.C5
Gene No.	4154	Strand	-
Start	17218	End	17492

Name	OJ991113_42.9C27.C5.o3.tw	Method	TBLASTX:Wheat
Start	5799	End	5933
GI	none	Score	201
Exons	5799..5933, 5799..5930, 5807..5932		

Seq. No.	1984	Seq. ID	OJ991113_42.9C27.C5
Gene No.	4154	Strand	-
Start	17218	End	17492
Name	OJ991113_42.9C27.C5.o3.tm	Method	TBLASTX:Maize
Start	14439	End	14798
GI	none	Score	66
Exons	14439..14492, 14493..14567, 14619..14759, 14627..14758, 14733..14798, 14748..14792		

Seq. No.	1984	Seq. ID	OJ991113_42.9C27.C5
Gene No.	4154	Strand	-
Start	17218	End	17492
Name	OJ991113_42.9C27.C5.o3.ts	Method	TBLASTX:Soybean
Start	14499	End	15074
GI	none	Score	83
Exons	14499..14567, 14619..14792, 14624..14695, 14643..14807, 14978..15043, 15012..15074		

Seq. No.	1984	Seq. ID	OJ991113_42.9C27.C5
Gene No.	4154	Strand	-
Start	17218	End	17492
Name	OJ991113_42.9C27.C5.o4.tc	Method	TBLASTX:Cress
Start	14619	End	15527
GI	none	Score	183
Exons	14619..14792, 15249..15380, 15275..15328, 15443..15526, 15450..15527		

Seq. No.	1984	Seq. ID	OJ991113_42.9C27.C5
Gene No.	4154	Strand	-
Start	17218	End	17492
Name	OJ991113_42.9C27.C5.o4.tm	Method	TBLASTX:Maize
Start	14861	End	15137
GI	none	Score	154
Exons	14861..14926, 14975..15115, 14994..15137, 15012..15110, 15028..15132		

Seq. No.	1984	Seq. ID	OJ991113_42.9C27.C5
Gene No.	4154	Strand	-
Start	17218	End	17492
Name	OJ991113_42.9C27.C5.o4.ts	Method	TBLASTX:Soybean
Start	15249	End	15521
GI	none	Score	129
Exons	15249..15380, 15290..15331, 15449..15517, 15450..15521		

Seq. No.	1984	Seq. ID	OJ991113_42.9C27.C5
Gene No.	4154	Strand	-
Start	17218	End	17492
Name	OJ991113_42.9C27.C5.o5.tm	Method	TBLASTX:Maize
Start	15440	End	15845
GI	none	Score	149
Exons	15440..15547, 15450..15548, 15466..15549, 15606..15824, 15635..15661, 15682..15732, 15710..15835, 15779..15838,		

15780..15845

Seq. No.	1984	Seq. ID	OJ991113_42.9C27.C5
Gene No.	4154	Strand	-
Start	17218	End	17492
Name	OJ991113_42.9C27.C5.o5.gs	Method	GENSCAN
Start	17218	End	17492
GI	none	Score	.44
Exons	17218..17419, 17470..17492		

Seq. No.	1985	Seq. ID	OJ991113_42.9C27.C6
Gene No.	4155	Strand	+
Start	5697	End	12451
Name	OJ991113_42.9C27.C6.o1.np	Method	AAT/NAP
Start	5697	End	12056
GI	4544372	Score	226
Exons	5697..5722, 9520..9566, 11430..12056		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	1985	Seq. ID	OJ991113_42.9C27.C6
Gene No.	4155	Strand	+
Start	5697	End	12451
Name	OJ991113_42.9C27.C6.o2.gs	Method	GENSCAN
Start	9288	End	12451
GI	none	Score	.63
Exons	9288..9342, 9627..9814, 9970..10088, 10166..10297, 10714..10742, 11735..11899, 11937..12092, 12137..12158, 12277..12451		

Seq. No.	1985	Seq. ID	OJ991113_42.9C27.C6
Gene No.	4156	Strand	-
Start	284	End	3909
Name	OJ991113_42.9C27.C6.o1.gs	Method	GENSCAN
Start	284	End	3909
GI	none	Score	.94
Exons	284..301, 1460..1560, 1734..1890, 1944..2309, 2581..3909		

Seq. No.	1985	Seq. ID	OJ991113_42.9C27.C6
Gene No.	4157	Strand	-
Start	12789	End	13371
Name	OJ991113_42.9C27.C6.o3.gs	Method	GENSCAN
Start	12789	End	13371
GI	none	Score	.56
Exons	12789..12942, 13184..13371		

Seq. No.	1986	Seq. ID	OJ991113_42.9C27.C7
Gene No.	4158	Strand	+
Start	1	End	737
Name	OJ991113_42.9C27.C7.o1.np	Method	AAT/NAP
Start	1	End	737
GI	125065	Score	100
Exons	1..39, 531..737		
GI Descrip.	60 KD JASMONATE-INDUCED PROTEIN gi|419795|pir||S25092 jasmonate-induced protein - barley gi|19011|emb|CAA47017| (X66376) jasmonate-induced protein [Hordeum vulgare]		

Seq. No.	1986	Seq. ID	OJ991113_42.9C27.C7

Gene No.	4159	Strand	+
Start	884	End	2349
Name	OJ991113_42.9C27.C7.o1.gs	Method	GENSCAN
Start	884	End	2349
GI	none	Score	.53
Exons	884..1005, 2272..2349		

Seq. No.	1986	Seq. ID	OJ991113_42.9C27.C7
Gene No.	4160	Strand	+
Start	3102	End	3230
Name	OJ991113_42.9C27.C7.o2.np	Method	AAT/NAP
Start	3102	End	3230
GI	130582	Score	39
Exons	3102..3230		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi|100342|pir||S04273 hypothetical protein - common tobacco gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]		

Seq. No.	1986	Seq. ID	OJ991113_42.9C27.C7
Gene No.	4161	Strand	+
Start	14346	End	15810
Name	OJ991113_42.9C27.C7.o5.gs	Method	GENSCAN
Start	14346	End	15810
GI	none	Score	.57
Exons	14346..14559, 14606..14752, 15683..15810		

Seq. No.	1986	Seq. ID	OJ991113_42.9C27.C7
Gene No.	4162	Strand	+
Start	17210	End	17672
Name	OJ991113_42.9C27.C7.o6.gs	Method	GENSCAN
Start	17210	End	17672
GI	none	Score	.57
Exons	17210..17389, 17646..17672		

Seq. No.	1986	Seq. ID	OJ991113_42.9C27.C7
Gene No.	4163	Strand	+
Start	19466	End	22217
Name	OJ991113_42.9C27.C7.o4.np	Method	AAT/NAP
Start	19463	End	22217
GI	1706331	Score	349
Exons	19463..19758, 22170..22217		
GI Descrip.	PYRUVATE DECARBOXYLASE ISOZYME 3 (PDC) gi|476284 (U07338) pyruvate decarboxylase [Oryza sativa]		

Seq. No.	1986	Seq. ID	OJ991113_42.9C27.C7
Gene No.	4163	Strand	+
Start	19466	End	22217
Name	OJ991113_42.9C27.C7.o8.gs	Method	GENSCAN
Start	19466	End	22094
GI	none	Score	.82
Exons	19466..19775, 19805..20010, 21828..21932, 22059..22094		

Seq. No.	1986	Seq. ID	OJ991113_42.9C27.C7
Gene No.	4164	Strand	+
Start	23418	End	23527
Name	OJ991113_42.9C27.C7.o1.gp	Method	AAT/GAP

Start	23418	End	23527
GI	1427_1.R1084	Score	178
Exons	23418..23527		
GI Descrip.	'4504379/ref|NP_003658.1|pHG38| 2.0e-13 G protein-coupled receptor 49 >gi_3366802 (AF062006) orphan G protein-coupled receptor HG38 [Homo sapiens]'		

Seq. No.	1986	Seq. ID	OJ991113_42.9C27.C7
Gene No.	4165	Strand	-
Start	6858	End	8602
Name	OJ991113_42.9C27.C7.o3.gs	Method	GENSCAN
Start	6858	End	8602
GI	none	Score	.54
Exons	6858..6899, 7403..8602		

Seq. No.	1986	Seq. ID	OJ991113_42.9C27.C7
Gene No.	4166	Strand	-
Start	10467	End	13186
Name	OJ991113_42.9C27.C7.o4.gs	Method	GENSCAN
Start	10467	End	13186
GI	none	Score	.4
Exons	10467..11182, 13102..13186		

Seq. No.	1986	Seq. ID	OJ991113_42.9C27.C7
Gene No.	4166	Strand	-
Start	10467	End	13186
Name	OJ991113_42.9C27.C7.o3.np	Method	AAT/NAP
Start	10547	End	12801
GI	5902445	Score	897
Exons	10547..11412, 12765..12801		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	1986	Seq. ID	OJ991113_42.9C27.C7
Gene No.	4167	Strand	-
Start	18861	End	19278
Name	OJ991113_42.9C27.C7.o7.gs	Method	GENSCAN
Start	18861	End	19278
GI	none	Score	.64
Exons	18861..18956, 19024..19278		

Seq. No.	1986	Seq. ID	OJ991113_42.9C27.C7
Gene No.	4168	Strand	-
Start	20319	End	21627
Name	OJ991113_42.9C27.C7.o5.np	Method	AAT/NAP
Start	20319	End	21627
GI	5777617	Score	77
Exons	20319..20430, 21587..21627		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	1986	Seq. ID	OJ991113_42.9C27.C7
Gene No.	4169	Strand	-
Start	22729	End	23070
Name	OJ991113_42.9C27.C7.o9.gs	Method	GENSCAN
Start	22729	End	23070
GI	none	Score	.71
Exons	22729..23070		

Seq. No.	1986	Seq. ID	OJ991113_42.9C27.C7
Gene No.	4170	Strand	-
Start	23230	End	23550
Name	OJ991113_42.9C27.C7.o2.ts	Method	TBLASTX:Soybean
Start	7466	End	19756
GI	none	Score	240
Exons	7466..7546, 7569..7604, 19388..19414, 19505..19756, 19516..19644, 19529..19750		

Seq. No.	1986	Seq. ID	OJ991113_42.9C27.C7
Gene No.	4170	Strand	-
Start	23230	End	23550
Name	OJ991113_42.9C27.C7.o2.tw	Method	TBLASTX:Wheat
Start	10578	End	10863
GI	none	Score	76
Exons	10578..10790, 10585..10782, 10668..10787, 10794..10862, 10795..10863		

Seq. No.	1986	Seq. ID	OJ991113_42.9C27.C7
Gene No.	4170	Strand	-
Start	23230	End	23550
Name	OJ991113_42.9C27.C7.o1.ts	Method	TBLASTX:Soybean
Start	10812	End	11237
GI	none	Score	35
Exons	10812..11237, 10969..11001, 11053..11178		

Seq. No.	1986	Seq. ID	OJ991113_42.9C27.C7
Gene No.	4170	Strand	-
Start	23230	End	23550
Name	OJ991113_42.9C27.C7.o1.tw	Method	TBLASTX:Wheat
Start	10867	End	11291
GI	none	Score	258
Exons	10867..11181, 10869..11291, 11007..11288		

Seq. No.	1986	Seq. ID	OJ991113_42.9C27.C7
Gene No.	4170	Strand	-
Start	23230	End	23550
Name	OJ991113_42.9C27.C7.o1.tm	Method	TBLASTX:Maize
Start	10965	End	11349
GI	none	Score	114
Exons	10965..11345, 10966..11181, 11269..11349		

Seq. No.	1986	Seq. ID	OJ991113_42.9C27.C7
Gene No.	4170	Strand	-
Start	23230	End	23550
Name	OJ991113_42.9C27.C7.o1.tc	Method	TBLASTX:Cress
Start	19529	End	19756
GI	none	Score	222
Exons	19529..19756, 19529..19750		

Seq. No.	1986	Seq. ID	OJ991113_42.9C27.C7
Gene No.	4170	Strand	-
Start	23230	End	23550
Name	OJ991113_42.9C27.C7.o2.gp	Method	AAT/GAP
Start	23230	End	23550
GI	uC-osf1M202014c01b1	Score	561
Exons	23230..23550		

GI Descrip.	'395930/emb|X66522|OSTOS12A 8.0e-49 O.sativa retrotransposon Tos1-2 >gi_2176333_dbj_E08212_E08212 DNA sequence containing retrotransposon region'		
Seq. No.	1987	Seq. ID	OJ991113_42.9C27.C8
Gene No.	4171	Strand	+
Start	1	End	627
Name	OJ991113_42.9C27.C8.o1.np	Method	AAT/NAP
Start	1	End	627
GI	5103810	Score	148
Exons	1..182, 569..627		
GI Descrip.	(AC007591) Similar to gb|X79273 cytochrome c reductase hinge protein subunit from Solanum tuberosum. ESTs gb|T45282 and gb|T21596 come from this gene. [Arabidopsis thaliana]		
Seq. No.	1987	Seq. ID	OJ991113_42.9C27.C8
Gene No.	4171	Strand	+
Start	1	End	627
Name	OJ991113_42.9C27.C8.o1.gp	Method	AAT/GAP
Start	64	End	472
GI	15658_1.R1084	Score	522
Exons	64..154, 275..472		
GI Descrip.	'5103810/gb|AAD39640.1|AC007591_5 7.0e-26 (AC007591) Similar to gb_X79273 cytochrome c reductase hinge protein subunit from Solanum tuberosum. ESTs gb_T45282 and gb_T21596 come from this gene. [Arabidopsis thaliana]'		
Seq. No.	1987	Seq. ID	OJ991113_42.9C27.C8
Gene No.	4172	Strand	-
Start	1045	End	2016
Name	OJ991113_42.9C27.C8.o1.tw	Method	TBLASTX:Wheat
Start	50	End	360
GI	none	Score	193
Exons	50..160, 52..156, 274..360		
Seq. No.	1987	Seq. ID	OJ991113_42.9C27.C8
Gene No.	4172	Strand	-
Start	1045	End	2016
Name	OJ991113_42.9C27.C8.o1.tm	Method	TBLASTX:Maize
Start	57	End	304
GI	none	Score	96
Exons	57..158, 62..160, 64..156, 275..304		
Seq. No.	1987	Seq. ID	OJ991113_42.9C27.C8
Gene No.	4172	Strand	-
Start	1045	End	2016
Name	OJ991113_42.9C27.C8.o1.gs	Method	GENSCAN
Start	1045	End	2016
GI	none	Score	.56
Exons	1045..1311, 1870..2016		
Seq. No.	1988	Seq. ID	OJ991113_42.9C27.C9
Gene No.	4173	Strand	-
Start	3985	End	5629
Name	OJ991113_42.9C27.C9.o2.gs	Method	GENSCAN
Start	3985	End	5629
GI	none	Score	.55

Exons	3985..4083, 5561..5629		
Seq. No.	1989	Seq. ID	OJ991113_42.9C27.C12
Gene No.	4174	Strand	+
Start	473	End	1612
Name	OJ991113_42.9C27.C12.o1.gs	Method	GENSCAN
Start	473	End	1612
GI	none	Score	.96
Exons	473..614, 699..846, 874..1032, 1498..1612		
Seq. No.	1989	Seq. ID	OJ991113_42.9C27.C12
Gene No.	4175	Strand	+
Start	4222	End	4364
Name	OJ991113_42.9C27.C12.o1.gp	Method	AAT/GAP
Start	4222	End	4364
GI	LIB3477-003-P1-K1-E9	Score	95
Exons	4222..4279, 4341..4364		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	1989	Seq. ID	OJ991113_42.9C27.C12
Gene No.	4176	Strand	+
Start	12322	End	19342
Name	OJ991113_42.9C27.C12.o3.gs	Method	GENSCAN
Start	12322	End	19342
GI	none	Score	.43
Exons	12322..13364, 13438..13849, 13993..14101, 14273..14572, 15108..15261, 15337..15491, 15515..15758, 15804..15894, 15988..16095, 16133..16234, 16430..16895, 16937..17154, 17578..17898, 19253..19342		
Seq. No.	1989	Seq. ID	OJ991113_42.9C27.C12
Gene No.	4176	Strand	+
Start	12322	End	19342
Name	OJ991113_42.9C27.C12.o1.np	Method	AAT/NAP
Start	12433	End	16887
GI	5441880	Score	2007
Exons	12433..13445, 13889..13920, 14179..14505, 15122..15261, 15370..15690, 15721..16280, 16438..16887		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	1989	Seq. ID	OJ991113_42.9C27.C12
Gene No.	4176	Strand	+
Start	12322	End	19342
Name	OJ991113_42.9C27.C12.o2.gp	Method	AAT/GAP
Start	16118	End	16564
GI	LIB3433-020-P1-K1-A6	Score	682
Exons	16118..16564		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		
Seq. No.	1989	Seq. ID	OJ991113_42.9C27.C12
Gene No.	4177	Strand	+
Start	24534	End	25043

Name	OJ991113_42.9C27.C12.o4.gp	Method	AAT/GAP
Start	23883	End	24901
GI	59728_1.R1084	Score	745
Exons	23883..23994, 24511..24593, 24691..24901		
GI Descrip.	'5230841/gb|AAD41039.1|AF112538_1 7.0e-31 (AF112538) actin [Malva pusilla]'		

Seq. No.	1989	Seq. ID	OJ991113_42.9C27.C12
Gene No.	4177	Strand	+
Start	24534	End	25043
Name	OJ991113_42.9C27.C12.o2.np	Method	AAT/NAP
Start	24534	End	25043
GI	1703108	Score	689
Exons	24534..24593, 24691..25043		
GI Descrip.	ACTIN 2/7 gi|2129525|pir||S71210 actin 2 - Arabidopsis thaliana gi|2129528|pir||S68107 actin 7 - Arabidopsis thaliana gi|1049307 (U37281) actin-2 [Arabidopsis thaliana] gi|1943863 (U27811) actin7 [Arabidopsis thaliana]		

Seq. No.	1989	Seq. ID	OJ991113_42.9C27.C12
Gene No.	4177	Strand	+
Start	24534	End	25043
Name	OJ991113_42.9C27.C12.o5.gs	Method	GENSCAN
Start	24534	End	25031
GI	none	Score	.93
Exons	24534..24593, 24691..25031		

Seq. No.	1989	Seq. ID	OJ991113_42.9C27.C12
Gene No.	4178	Strand	-
Start	5071	End	11019
Name	OJ991113_42.9C27.C12.o2.gs	Method	GENSCAN
Start	5071	End	11019
GI	none	Score	.86
Exons	5071..5077, 6224..6394, 7324..7345, 7377..7508, 7537..7945, 10126..11019		

Seq. No.	1989	Seq. ID	OJ991113_42.9C27.C12
Gene No.	4179	Strand	
Start	13000	End	13672
Name	OJ991113_42.9C27.C12.o2.tm	Method	TBLASTX:Maize
Start	13000	End	13479
GI	none	Score	305
Exons	13000..13380, 13047..13376, 13219..13383, 13382..13468, 13384..13479		

Seq. No.	1989	Seq. ID	OJ991113_42.9C27.C12
Gene No.	4179	Strand	
Start	13000	End	13672
Name	OJ991113_42.9C27.C12.o2.tw	Method	TBLASTX:Wheat
Start	13294	End	13672
GI	none	Score	98
Exons	13294..13377, 13297..13380, 13384..13449, 13385..13474, 13498..13566, 13499..13672, 13527..13661		

Seq. No.	1989	Seq. ID	OJ991113_42.9C27.C12
Gene No.	4180	Strand	
Start	15428	End	15610

Name	OJ991113_42.9C27.C12.o3.tw	Method	TBLASTX:Wheat
Start	15428	End	15610
GI	none	Score	92
Exons	15428..15481, 15442..15492, 15475..15609, 15491..15610		

Seq. No.	1989	Seq. ID	OJ991113_42.9C27.C12
Gene No.	4181	Strand	
Start	24527	End	25043
Name	OJ991113_42.9C27.C12.o1.tm	Method	TBLASTX:Maize
Start	24527	End	25043
GI	none	Score	113
Exons	24527..24604, 24531..24593, 24531..24605, 24532..24606, 24533..24604, 24688..25041, 24690..25043		

Seq. No.	1989	Seq. ID	OJ991113_42.9C27.C12
Gene No.	4181	Strand	
Start	24527	End	25043
Name	OJ991113_42.9C27.C12.o1.ts	Method	TBLASTX:Soybean
Start	24531	End	25043
GI	none	Score	109
Exons	24531..24593, 24533..24589, 24688..25041, 24690..25043		

Seq. No.	1989	Seq. ID	OJ991113_42.9C27.C12
Gene No.	4181	Strand	
Start	24527	End	25043
Name	OJ991113_42.9C27.C12.o1.tc	Method	TBLASTX:Cress
Start	24534	End	25043
GI	none	Score	108
Exons	24534..24593, 24534..24605, 24535..24609, 24548..24604, 24686..24940, 24688..25041, 24688..25041, 24690..25043		

Seq. No.	1989	Seq. ID	OJ991113_42.9C27.C12
Gene No.	4181	Strand	
Start	24527	End	25043
Name	OJ991113_42.9C27.C12.o1.tw	Method	TBLASTX:Wheat
Start	24686	End	25043
GI	none	Score	624
Exons	24686..24949, 24688..25041, 24688..25041, 24690..25043		

Seq. No.	1990	Seq. ID	OJ991113_42.9C27.C13
Gene No.	4182	Strand	+
Start	1	End	943
Name	OJ991113_42.9C27.C13.o1.gp	Method	AAT/GAP
Start	1	End	943
GI	305_2.R1084	Score	1627
Exons	1..379, 470..943		
GI Descrip.	'4139264 1.0e-83 (AF111812) actin [Brassica napus]'		

Seq. No.	1990	Seq. ID	OJ991113_42.9C27.C13
Gene No.	4182	Strand	+
Start	1	End	943
Name	OJ991113_42.9C27.C13.o1.np	Method	AAT/NAP
Start	1	End	532
GI	4139264	Score	683
Exons	1..379, 470..532		
GI Descrip.	(AF111812) actin [Brassica napus]		

Seq. No.	1990	Seq. ID	OJ991113_42.9C27.C13
Gene No.	4182	Strand	+
Start	1	End	943
Name	OJ991113_42.9C27.C13.o1.ts	Method	TBLASTX:Soybean
Start	1	End	579
GI	none	Score	81
Exons	1..78, 3..344, 5..346, 6..368, 347..406, 349..378, 452..544, 466..540, 468..557, 469..579		

Seq. No.	1990	Seq. ID	OJ991113_42.9C27.C13
Gene No.	4182	Strand	+
Start	1	End	943
Name	OJ991113_42.9C27.C13.o1.tc	Method	TBLASTX:Cress
Start	5	End	535
GI	none	Score	583
Exons	5..346, 6..368, 10..351, 349..378, 452..535, 466..534		

Seq. No.	1990	Seq. ID	OJ991113_42.9C27.C13
Gene No.	4182	Strand	+
Start	1	End	943
Name	OJ991113_42.9C27.C13.o1.tm	Method	TBLASTX:Maize
Start	5	End	624
GI	none	Score	589
Exons	5..346, 6..368, 349..378, 349..378, 452..541, 466..543, 466..540, 467..553, 468..587, 598..624, 598..621		

Seq. No.	1990	Seq. ID	OJ991113_42.9C27.C13
Gene No.	4182	Strand	+
Start	1	End	943
Name	OJ991113_42.9C27.C13.o1.tw	Method	TBLASTX:Wheat
Start	54	End	543
GI	none	Score	489
Exons	54..368, 56..346, 347..406, 349..378, 452..541, 466..540, 467..541, 469..543		

Seq. No.	1991	Seq. ID	OJ991113_42.9C27.C14
Gene No.	4183	Strand	+
Start	235	End	1349
Name	OJ991113_42.9C27.C14.o1.np	Method	AAT/NAP
Start	235	End	1349
GI	4539658	Score	125
Exons	235..385, 422..514, 741..810, 1283..1349		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	1992	Seq. ID	OJ991113_42.9C27.C15
Gene No.	4184	Strand	+
Start	475	End	759
Name	OJ991113_42.9C27.C15.o1.np	Method	AAT/NAP
Start	475	End	759
GI	2498930	Score	119
Exons	475..538, 706..759		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	1992	Seq. ID	OJ991113_42.9C27.C15
Gene No.	4184	Strand	+

Start	475	End	759
Name	OJ991113_42.9C27.C15.o1.gs	Method	GENSCAN
Start	479	End	538
GI	none	Score	.95
Exons	479..538		

Seq. No.	1993	Seq. ID	OJ991113_31.9C10.C4
Gene No.	4185	Strand	+
Start	1	End	1292
Name	OJ991113_31.9C10.C4.o1.np	Method	AAT/NAP
Start	1	End	1292
GI	4680183	Score	194
Exons	1..61, 526..596, 1203..1292		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	1993	Seq. ID	OJ991113_31.9C10.C4
Gene No.	4186	Strand	+
Start	1966	End	2362
Name	OJ991113_31.9C10.C4.o2.np	Method	AAT/NAP
Start	1966	End	2362
GI	6721560	Score	230
Exons	1966..2079, 2133..2299, 2325..2362		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815085|dbj|BAA90371.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	1994	Seq. ID	OJ991113_31.9C10.C5
Gene No.	4187	Strand	+
Start	21456	End	22036
Name	OJ991113_31.9C10.C5.o4.np	Method	AAT/NAP
Start	21456	End	22036
GI	6721559	Score	354
Exons	21456..22036		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	1994	Seq. ID	OJ991113_31.9C10.C5
Gene No.	4188	Strand	-
Start	687	End	17244
Name	OJ991113_31.9C10.C5.o1.np	Method	AAT/NAP
Start	687	End	17157
GI	4680179	Score	6417
Exons	687..4373, 13987..14328, 17072..17157		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	1994	Seq. ID	OJ991113_31.9C10.C5
Gene No.	4188	Strand	-
Start	687	End	17244
Name	OJ991113_31.9C10.C5.o2.np	Method	AAT/NAP
Start	16375	End	17244
GI	5042448	Score	1326
Exons	16375..17244		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	1994	Seq. ID	OJ991113_31.9C10.C5

Gene No.	4189	Strand	-
Start	17970	End	20031
Name	OJ991113_31.9C10.C5.o9.tm	Method	TBLASTX:Maize
Start	711	End	908
GI	none	Score	187
Exons	711..908		

Seq. No.	1994	Seq. ID	OJ991113_31.9C10.C5
Gene No.	4189	Strand	-
Start	17970	End	20031
Name	OJ991113_31.9C10.C5.o6.tw	Method	TBLASTX:Wheat
Start	732	End	1067
GI	none	Score	46
Exons	732..923, 909..1067, 931..975, 960..1040		

Seq. No.	1994	Seq. ID	OJ991113_31.9C10.C5
Gene No.	4189	Strand	-
Start	17970	End	20031
Name	OJ991113_31.9C10.C5.o1.tm	Method	TBLASTX:Maize
Start	915	End	1514
GI	none	Score	160
Exons	915..1355, 916..1356, 931..1188, 1258..1356, 1353..1514, 1360..1512		

Seq. No.	1994	Seq. ID	OJ991113_31.9C10.C5
Gene No.	4189	Strand	-
Start	17970	End	20031
Name	OJ991113_31.9C10.C5.o1.tw	Method	TBLASTX:Wheat
Start	1068	End	12885
GI	none	Score	364
Exons	1068..1694, 1069..1692, 12466..12885		

Seq. No.	1994	Seq. ID	OJ991113_31.9C10.C5
Gene No.	4189	Strand	-
Start	17970	End	20031
Name	OJ991113_31.9C10.C5.o4.tm	Method	TBLASTX:Maize
Start	1563	End	1854
GI	none	Score	254
Exons	1563..1853, 1567..1854		

Seq. No.	1994	Seq. ID	OJ991113_31.9C10.C5
Gene No.	4189	Strand	-
Start	17970	End	20031
Name	OJ991113_31.9C10.C5.o3.ts	Method	TBLASTX:Soybean
Start	1653	End	1913
GI	none	Score	172
Exons	1653..1913, 1654..1908		

Seq. No.	1994	Seq. ID	OJ991113_31.9C10.C5
Gene No.	4189	Strand	-
Start	17970	End	20031
Name	OJ991113_31.9C10.C5.o1.tc	Method	TBLASTX:Cress
Start	1677	End	1994
GI	none	Score	91
Exons	1677..1820, 1678..1818, 1821..1994		

Seq. No.	1994	Seq. ID	OJ991113_31.9C10.C5

Gene No.	4189	Strand	-
Start	17970	End	20031
Name	OJ991113_31.9C10.C5.o4.tw	Method	TBLASTX:Wheat
Start	1701	End	2180
GI	none	Score	257
Exons	1701..2180, 1702..1956, 1734..2147		

Seq. No.	1994	Seq. ID	OJ991113_31.9C10.C5
Gene No.	4189	Strand	-
Start	17970	End	20031
Name	OJ991113_31.9C10.C5.o2.tw	Method	TBLASTX:Wheat
Start	2184	End	11169
GI	none	Score	233
Exons	2184..2693, 2283..2615, 2329..2661, 11041..11169		

Seq. No.	1994	Seq. ID	OJ991113_31.9C10.C5
Gene No.	4189	Strand	-
Start	17970	End	20031
Name	OJ991113_31.9C10.C5.o3.tm	Method	TBLASTX:Maize
Start	2263	End	11166
GI	none	Score	233
Exons	2263..2619, 2268..2621, 2305..2619, 10933..11166		

Seq. No.	1994	Seq. ID	OJ991113_31.9C10.C5
Gene No.	4189	Strand	-
Start	17970	End	20031
Name	OJ991113_31.9C10.C5.o6.ts	Method	TBLASTX:Soybean
Start	2442	End	10983
GI	none	Score	70
Exons	2442..2687, 10795..10983		

Seq. No.	1994	Seq. ID	OJ991113_31.9C10.C5
Gene No.	4189	Strand	-
Start	17970	End	20031
Name	OJ991113_31.9C10.C5.o5.tw	Method	TBLASTX:Wheat
Start	2694	End	10878
GI	none	Score	195
Exons	2694..2954, 2695..2976, 10484..10720, 10792..10878		

Seq. No.	1994	Seq. ID	OJ991113_31.9C10.C5
Gene No.	4189	Strand	-
Start	17970	End	20031
Name	OJ991113_31.9C10.C5.o2.tm	Method	TBLASTX:Maize
Start	2700	End	10783
GI	none	Score	63
Exons	2700..2939, 2827..2940, 3021..3152, 10325..10783, 10327..10389, 10474..10782		

Seq. No.	1994	Seq. ID	OJ991113_31.9C10.C5
Gene No.	4189	Strand	-
Start	17970	End	20031
Name	OJ991113_31.9C10.C5.o1.ts	Method	TBLASTX:Soybean
Start	2709	End	10753
GI	none	Score	43
Exons	2709..2954, 2710..2760, 2821..2964, 3015..3068, 3072..3104, 10427..10753		

Seq. No.	1994	Seq. ID	OJ991113_31.9C10.C5
Gene No.	4189	Strand	-
Start	17970	End	20031
Name	OJ991113_31.9C10.C5.o3.tw	Method	TBLASTX:Wheat
Start	3036	End	10458
GI	none	Score	575
Exons	3036..3158, 3171..3350, 10049..10456, 10057..10458, 10069..10389		

Seq. No.	1994	Seq. ID	OJ991113_31.9C10.C5
Gene No.	4189	Strand	-
Start	17970	End	20031
Name	OJ991113_31.9C10.C5.o5.tm	Method	TBLASTX:Maize
Start	3171	End	10324
GI	none	Score	291
Exons	3171..3350, 10109..10324, 10111..10323, 10178..10324		

Seq. No.	1994	Seq. ID	OJ991113_31.9C10.C5
Gene No.	4189	Strand	-
Start	17970	End	20031
Name	OJ991113_31.9C10.C5.o4.ts	Method	TBLASTX:Soybean
Start	3216	End	10255
GI	none	Score	142
Exons	3216..3350, 9887..10105, 10124..10255		

Seq. No.	1994	Seq. ID	OJ991113_31.9C10.C5
Gene No.	4189	Strand	-
Start	17970	End	20031
Name	OJ991113_31.9C10.C5.o7.tw	Method	TBLASTX:Wheat
Start	3690	End	4106
GI	none	Score	94
Exons	3690..3875, 3691..3846, 3897..4106, 3958..4056		

Seq. No.	1994	Seq. ID	OJ991113_31.9C10.C5
Gene No.	4189	Strand	-
Start	17970	End	20031
Name	OJ991113_31.9C10.C5.o6.tm	Method	TBLASTX:Maize
Start	7536	End	7904
GI	none	Score	153
Exons	7536..7661, 7553..7660, 7686..7904, 7691..7807		

Seq. No.	1994	Seq. ID	OJ991113_31.9C10.C5
Gene No.	4189	Strand	-
Start	17970	End	20031
Name	OJ991113_31.9C10.C5.o2.ts	Method	TBLASTX:Soybean
Start	11091	End	11511
GI	none	Score	175
Exons	11091..11225, 11092..11229, 11092..11229, 11265..11351, 11266..11511, 11391..11510		

Seq. No.	1994	Seq. ID	OJ991113_31.9C10.C5
Gene No.	4189	Strand	-
Start	17970	End	20031
Name	OJ991113_31.9C10.C5.o7.tm	Method	TBLASTX:Maize
Start	12035	End	12388
GI	none	Score	206
Exons	12035..12388		

Seq. No.	1994	Seq. ID	OJ991113_31.9C10.C5
Gene No.	4189	Strand	-
Start	17970	End	20031
Name	OJ991113_31.9C10.C5.o5.ts	Method	TBLASTX:Soybean
Start	12155	End	12436
GI	none	Score	196
Exons	12155..12436		

Seq. No.	1994	Seq. ID	OJ991113_31.9C10.C5
Gene No.	4189	Strand	-
Start	17970	End	20031
Name	OJ991113_31.9C10.C5.o7.ts	Method	TBLASTX:Soybean
Start	13015	End	13221
GI	none	Score	189
Exons	13015..13221, 13020..13106, 13182..13217		

Seq. No.	1994	Seq. ID	OJ991113_31.9C10.C5
Gene No.	4189	Strand	-
Start	17970	End	20031
Name	OJ991113_31.9C10.C5.o8.tm	Method	TBLASTX:Maize
Start	14062	End	14328
GI	none	Score	86
Exons	14062..14328, 14171..14317		

Seq. No.	1994	Seq. ID	OJ991113_31.9C10.C5
Gene No.	4189	Strand	-
Start	17970	End	20031
Name	OJ991113_31.9C10.C5.o8.tw	Method	TBLASTX:Wheat
Start	14062	End	14325
GI	none	Score	139
Exons	14062..14325, 14150..14323, 14155..14325		

Seq. No.	1994	Seq. ID	OJ991113_31.9C10.C5
Gene No.	4189	Strand	-
Start	17970	End	20031
Name	OJ991113_31.9C10.C5.o3.np	Method	AAT/NAP
Start	17970	End	20031
GI	6721561	Score	127
Exons	17970..17987, 19943..20031		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	1995	Seq. ID	OJ991113_31.9C10.C6
Gene No.	4190	Strand	+
Start	1322	End	6609
Name	OJ991113_31.9C10.C6.o1.np	Method	AAT/NAP
Start	1322	End	6609
GI	5922631	Score	5383
Exons	1322..1446, 1705..1931, 2189..2383, 2429..3006, 3049..3199, 3326..4252, 4859..6609		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs		

C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ

Seq. No.	1995	Seq. ID	OJ991113_31.9C10.C6
Gene No.	4191	Strand	-
Start	864	End	1621
Name	OJ991113_31.9C10.C6.o1.gp	Method	AAT/GAP
Start	864	End	1621
GI	5816562	Score	616
Exons	864..1275, 1596..1621		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	1995	Seq. ID	OJ991113_31.9C10.C6
Gene No.	4192	Strand	
Start	2610	End	3012
Name	OJ991113_31.9C10.C6.o6.tw	Method	TBLASTX:Wheat
Start	2610	End	3012
GI	none	Score	288
Exons	2610..2879, 2611..3012		

Seq. No.	1995	Seq. ID	OJ991113_31.9C10.C6
Gene No.	4193	Strand	
Start	3592	End	4269
Name	OJ991113_31.9C10.C6.o4.tw	Method	TBLASTX:Wheat
Start	3592	End	4269
GI	none	Score	134
Exons	3592..3768, 3813..4016, 3817..4047, 4096..4269		

Seq. No.	1995	Seq. ID	OJ991113_31.9C10.C6
Gene No.	4194	Strand	
Start	4269	End	4755
Name	OJ991113_31.9C10.C6.o1.tw	Method	TBLASTX:Wheat
Start	4269	End	4725
GI	none	Score	481
Exons	4269..4724, 4270..4725		

Seq. No.	1995	Seq. ID	OJ991113_31.9C10.C6
Gene No.	4194	Strand	
Start	4269	End	4755
Name	OJ991113_31.9C10.C6.o3.ts	Method	TBLASTX:Soybean
Start	4309	End	4674
GI	none	Score	133
Exons	4309..4533, 4543..4674		

Seq. No.	1995	Seq. ID	OJ991113_31.9C10.C6
Gene No.	4194	Strand	
Start	4269	End	4755
Name	OJ991113_31.9C10.C6.o1.tm	Method	TBLASTX:Maize
Start	4399	End	4755
GI	none	Score	360
Exons	4399..4755, 4440..4745		

Seq. No.	1995	Seq. ID	OJ991113_31.9C10.C6
Gene No.	4195	Strand	
Start	4783	End	5319

Name	OJ991113_31.9C10.C6.o3.tm	Method	TBLASTX:Maize
Start	4783	End	5166
GI	none	Score	323
Exons	4783..5166, 4935..5165		

Seq. No.	1995	Seq. ID	OJ991113_31.9C10.C6
Gene No.	4195	Strand	
Start	4783	End	5319
Name	OJ991113_31.9C10.C6.o2.tw	Method	TBLASTX:Wheat
Start	4840	End	5261
GI	none	Score	431
Exons	4840..5259, 4887..5261, 4938..5258		

Seq. No.	1995	Seq. ID	OJ991113_31.9C10.C6
Gene No.	4195	Strand	
Start	4783	End	5319
Name	OJ991113_31.9C10.C6.o1.ts	Method	TBLASTX:Soybean
Start	4918	End	5319
GI	none	Score	312
Exons	4918..5319, 4935..5078, 4951..5232, 5115..5291		

Seq. No.	1995	Seq. ID	OJ991113_31.9C10.C6
Gene No.	4196	Strand	
Start	5269	End	5553
Name	OJ991113_31.9C10.C6.o7.tw	Method	TBLASTX:Wheat
Start	5269	End	5553
GI	none	Score	261
Exons	5269..5550, 5278..5376, 5461..5553		

Seq. No.	1995	Seq. ID	OJ991113_31.9C10.C6
Gene No.	4197	Strand	
Start	5545	End	5975
Name	OJ991113_31.9C10.C6.o2.ts	Method	TBLASTX:Soybean
Start	5545	End	5932
GI	none	Score	87
Exons	5545..5649, 5553..5639, 5685..5759, 5689..5760, 5694..5762, 5792..5932, 5808..5930		

Seq. No.	1995	Seq. ID	OJ991113_31.9C10.C6
Gene No.	4197	Strand	
Start	5545	End	5975
Name	OJ991113_31.9C10.C6.o3.tw	Method	TBLASTX:Wheat
Start	5554	End	5975
GI	none	Score	205
Exons	5554..5760, 5559..5759, 5759..5899, 5760..5975		

Seq. No.	1995	Seq. ID	OJ991113_31.9C10.C6
Gene No.	4197	Strand	
Start	5545	End	5975
Name	OJ991113_31.9C10.C6.o4.tm	Method	TBLASTX:Maize
Start	5607	End	5879
GI	none	Score	113
Exons	5607..5855, 5608..5760, 5781..5879		

Seq. No.	1995	Seq. ID	OJ991113_31.9C10.C6
Gene No.	4198	Strand	
Start	6165	End	6595

Name	OJ991113_31.9C10.C6.o5.tw	Method	TBLASTX:Wheat
Start	6165	End	6592
GI	none	Score	228
Exons	6165..6482, 6221..6472, 6234..6482, 6491..6589, 6506..6592		

Seq. No.	1995	Seq. ID	OJ991113_31.9C10.C6
Gene No.	4198	Strand	
Start	6165	End	6595
Name	OJ991113_31.9C10.C6.o2.tm	Method	TBLASTX:Maize
Start	6288	End	6595
GI	none	Score	238
Exons	6288..6506, 6311..6481, 6502..6594, 6503..6595		

Seq. No.	1996	Seq. ID	OJ991113_31.9C10.C7
Gene No.	4199	Strand	+
Start	1	End	378
Name	OJ991113_31.9C10.C7.o1.np	Method	AAT/NAP
Start	1	End	375
GI	5902445	Score	558
Exons	1..375		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	1996	Seq. ID	OJ991113_31.9C10.C7
Gene No.	4199	Strand	+
Start	1	End	378
Name	OJ991113_31.9C10.C7.o1.gs	Method	GENSCAN
Start	263	End	378
GI	none	Score	.52
Exons	263..378		

Seq. No.	1996	Seq. ID	OJ991113_31.9C10.C7
Gene No.	4200	Strand	-
Start	707	End	4809
Name	OJ991113_31.9C10.C7.o1.tm	Method	TBLASTX:Maize
Start	73	End	327
GI	none	Score	154
Exons	73..246, 93..245, 225..326, 226..327		

Seq. No.	1996	Seq. ID	OJ991113_31.9C10.C7
Gene No.	4200	Strand	-
Start	707	End	4809
Name	OJ991113_31.9C10.C7.o2.gs	Method	GENSCAN
Start	707	End	4261
GI	none	Score	.72
Exons	707..1158, 1408..1597, 1672..1868, 1937..2295, 2558..2628, 4067..4261		

Seq. No.	1996	Seq. ID	OJ991113_31.9C10.C7
Gene No.	4200	Strand	-
Start	707	End	4809
Name	OJ991113_31.9C10.C7.o2.np	Method	AAT/NAP
Start	719	End	4809
GI	6691716	Score	1121
Exons	719..1158, 1232..1345, 1495..1597, 1672..1859, 1937..2116, 2195..2295, 2372..2508, 4735..4809		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein		

[Oryza sativa]

Seq. No.	1997	Seq. ID	OJ991113_31.9C10.C8
Gene No.	4201	Strand	+
Start	1938	End	2693
Name	OJ991113_31.9C10.C8.o1.gs	Method	GENSCAN
Start	1938	End	2693
GI	none	Score	.72
Exons	1938..2693		

Seq. No.	1998	Seq. ID	OJ991113_31.9C10.C9
Gene No.	4202	Strand	+
Start	1488	End	12788
Name	OJ991113_31.9C10.C9.o1.gs	Method	GENSCAN
Start	1488	End	9237
GI	none	Score	.7
Exons	1488..1535, 2258..2345, 2350..2505, 2935..3029, 3338..3371, 4242..4421, 4530..4597, 4792..4945, 6152..6361, 6579..6850, 7281..7395, 7669..8376, 8597..9237		

Seq. No.	1998	Seq. ID	OJ991113_31.9C10.C9
Gene No.	4202	Strand	+
Start	1488	End	12788
Name	OJ991113_31.9C10.C9.o1.np	Method	AAT/NAP
Start	7853	End	12737
GI	4206306	Score	1277
Exons	7853..7890, 8972..9472, 9588..12737		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	1998	Seq. ID	OJ991113_31.9C10.C9
Gene No.	4202	Strand	+
Start	1488	End	12788
Name	OJ991113_31.9C10.C9.o2.np	Method	AAT/NAP
Start	8136	End	12341
GI	4071076	Score	122
Exons	8136..8164, 11866..12341		
GI Descrip.	(AF019230) pol polypeptide [Murine leukemia virus]		

Seq. No.	1998	Seq. ID	OJ991113_31.9C10.C9
Gene No.	4202	Strand	+
Start	1488	End	12788
Name	OJ991113_31.9C10.C9.o2.gs	Method	GENSCAN
Start	9452	End	12252
GI	none	Score	.81
Exons	9452..10496, 10525..10664, 10993..12252		

Seq. No.	1998	Seq. ID	OJ991113_31.9C10.C9
Gene No.	4202	Strand	+
Start	1488	End	12788
Name	OJ991113_31.9C10.C9.o3.np	Method	AAT/NAP
Start	11627	End	12788
GI	629693	Score	516
Exons	11627..12788		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	1998	Seq. ID	OJ991113_31.9C10.C9

Gene No.	4203	Strand	-
Start	12753	End	13237
Name	OJ991113_31.9C10.C9.o5.ts	Method	TBLASTX:Soybean
Start	9692	End	10057
GI	none	Score	120
Exons	9692..9910, 9923..10057		

Seq. No.	1998	Seq. ID	OJ991113_31.9C10.C9
Gene No.	4203	Strand	-
Start	12753	End	13237
Name	OJ991113_31.9C10.C9.o1.tw	Method	TBLASTX:Wheat
Start	9854	End	10258
GI	none	Score	87
Exons	9854..9910, 9859..9900, 9905..10258, 9912..10019, 9916..10215, 9923..10252		

Seq. No.	1998	Seq. ID	OJ991113_31.9C10.C9
Gene No.	4203	Strand	-
Start	12753	End	13237
Name	OJ991113_31.9C10.C9.o2.tm	Method	TBLASTX:Maize
Start	9908	End	10126
GI	none	Score	274
Exons	9908..10126, 9908..10108, 9916..10125		

Seq. No.	1998	Seq. ID	OJ991113_31.9C10.C9
Gene No.	4203	Strand	-
Start	12753	End	13237
Name	OJ991113_31.9C10.C9.o1.tm	Method	TBLASTX:Maize
Start	10127	End	10586
GI	none	Score	425
Exons	10127..10486, 10127..10483, 10485..10586, 10502..10585		

Seq. No.	1998	Seq. ID	OJ991113_31.9C10.C9
Gene No.	4203	Strand	-
Start	12753	End	13237
Name	OJ991113_31.9C10.C9.o3.tw	Method	TBLASTX:Wheat
Start	10259	End	10658
GI	none	Score	145
Exons	10259..10486, 10557..10658		

Seq. No.	1998	Seq. ID	OJ991113_31.9C10.C9
Gene No.	4203	Strand	-
Start	12753	End	13237
Name	OJ991113_31.9C10.C9.o2.ts	Method	TBLASTX:Soybean
Start	10274	End	10745
GI	none	Score	145
Exons	10274..10486, 10312..10380, 10485..10556, 10557..10745, 10601..10732		

Seq. No.	1998	Seq. ID	OJ991113_31.9C10.C9
Gene No.	4203	Strand	-
Start	12753	End	13237
Name	OJ991113_31.9C10.C9.o1.ts	Method	TBLASTX:Soybean
Start	10896	End	11309
GI	none	Score	76
Exons	10896..10979, 10990..11034, 11049..11132, 11050..11307, 11067..11309		

Seq. No.	1998	Seq. ID	OJ991113_31.9C10.C9
Gene No.	4203	Strand	-
Start	12753	End	13237
Name	OJ991113_31.9C10.C9.o4.tw	Method	TBLASTX:Wheat
Start	11071	End	11433
GI	none	Score	184
Exons	11071..11433, 11082..11318		

Seq. No.	1998	Seq. ID	OJ991113_31.9C10.C9
Gene No.	4203	Strand	-
Start	12753	End	13237
Name	OJ991113_31.9C10.C9.o5.tw	Method	TBLASTX:Wheat
Start	11740	End	12033
GI	none	Score	140
Exons	11740..11904, 11929..12033		

Seq. No.	1998	Seq. ID	OJ991113_31.9C10.C9
Gene No.	4203	Strand	-
Start	12753	End	13237
Name	OJ991113_31.9C10.C9.o3.tm	Method	TBLASTX:Maize
Start	11758	End	12138
GI	none	Score	89
Exons	11758..11916, 11914..12138		

Seq. No.	1998	Seq. ID	OJ991113_31.9C10.C9
Gene No.	4203	Strand	-
Start	12753	End	13237
Name	OJ991113_31.9C10.C9.o4.ts	Method	TBLASTX:Soybean
Start	11791	End	12069
GI	none	Score	221
Exons	11791..12069, 11865..11981, 11866..11985		

Seq. No.	1998	Seq. ID	OJ991113_31.9C10.C9
Gene No.	4203	Strand	-
Start	12753	End	13237
Name	OJ991113_31.9C10.C9.o2.tw	Method	TBLASTX:Wheat
Start	12306	End	12722
GI	none	Score	221
Exons	12306..12722, 12545..12688		

Seq. No.	1998	Seq. ID	OJ991113_31.9C10.C9
Gene No.	4203	Strand	-
Start	12753	End	13237
Name	OJ991113_31.9C10.C9.o3.ts	Method	TBLASTX:Soybean
Start	12498	End	12743
GI	none	Score	231
Exons	12498..12743, 12498..12665, 12500..12670, 12708..12737, 12710..12739		

Seq. No.	1998	Seq. ID	OJ991113_31.9C10.C9
Gene No.	4203	Strand	-
Start	12753	End	13237
Name	OJ991113_31.9C10.C9.o3.gs	Method	GENSCAN
Start	12753	End	13237
GI	none	Score	1
Exons	12753..12908, 13175..13237		

Seq. No.	1999	Seq. ID	OJ991113_31.9C10.C10
Gene No.	4204	Strand	+
Start	4028	End	12901
Name	OJ991113_31.9C10.C10.o2.gs	Method	GENSCAN
Start	4028	End	12901
GI	none	Score	.72
Exons	4028..4519, 4615..5197, 5445..5564, 5655..5965, 6058..6133, 6581..7152, 9486..9539, 10229..10381, 10428..10654, 10725..10867, 11930..12019, 12753..12901		

Seq. No.	1999	Seq. ID	OJ991113_31.9C10.C10
Gene No.	4204	Strand	+
Start	4028	End	12901
Name	OJ991113_31.9C10.C10.o1.np	Method	AAT/NAP
Start	4484	End	5307
GI	6967112	Score	404
Exons	4484..4519, 4615..5307		
GI Descrip.	(AL138652) putative protein [Arabidopsis thaliana]		

Seq. No.	1999	Seq. ID	OJ991113_31.9C10.C10
Gene No.	4204	Strand	+
Start	4028	End	12901
Name	OJ991113_31.9C10.C10.o2.gp	Method	AAT/GAP
Start	10179	End	10600
GI	none	Score	500
Exons	10179..10453, 10579..10600		

Seq. No.	1999	Seq. ID	OJ991113_31.9C10.C10
Gene No.	4204	Strand	+
Start	4028	End	12901
Name	OJ991113_31.9C10.C10.o3.gp	Method	AAT/GAP
Start	10800	End	12728
GI	1559_1.R1084	Score	1435
Exons	10800..10828, 10947..11074, 11930..12019, 12159..12728		
GI Descrip.	'2293479/gb|AF011331|AF011331 1.0e-09 Oryza sativa glycine-rich protein mRNA, complete cds'		

Seq. No.	1999	Seq. ID	OJ991113_31.9C10.C10
Gene No.	4205	Strand	-
Start	1	End	1955
Name	OJ991113_31.9C10.C10.o1.gp	Method	AAT/GAP
Start	1	End	1955
GI	5276_1.R1084	Score	921
Exons	1..167, 1135..1176, 1272..1381, 1767..1955		
GI Descrip.	'3288883/dbj|BAA31260| 6.0e-13 (AB015431) SAR DNA binding protein [Oryza sativa]'		

Seq. No.	1999	Seq. ID	OJ991113_31.9C10.C10
Gene No.	4206	Strand	
Start	4118	End	5073
Name	OJ991113_31.9C10.C10.o1.tm	Method	TBLASTX:Maize
Start	4118	End	4814
GI	none	Score	385
Exons	4118..4519, 4123..4458, 4154..4504, 4605..4814, 4611..4775, 4612..4812		

Seq. No.	1999	Seq. ID	OJ991113_31.9C10.C10
Gene No.	4206	Strand	
Start	4118	End	5073
Name	OJ991113_31.9C10.C10.o1.ts	Method	TBLASTX:Soybean
Start	4609	End	4986
GI	none	Score	200
Exons	4609..4785, 4612..4815, 4689..4799, 4822..4986, 4827..4970, 4852..4986		

Seq. No.	1999	Seq. ID	OJ991113_31.9C10.C10
Gene No.	4206	Strand	
Start	4118	End	5073
Name	OJ991113_31.9C10.C10.o1.tw	Method	TBLASTX:Wheat
Start	4665	End	5073
GI	none	Score	456
Exons	4665..5069, 4666..5073		

Seq. No.	1999	Seq. ID	OJ991113_31.9C10.C10
Gene No.	4206	Strand	
Start	4118	End	5073
Name	OJ991113_31.9C10.C10.o4.tm	Method	TBLASTX:Maize
Start	4815	End	4995
GI	none	Score	101
Exons	4815..4991, 4815..4943, 4816..4995, 4816..4995		

Seq. No.	1999	Seq. ID	OJ991113_31.9C10.C10
Gene No.	4207	Strand	
Start	4999	End	5298
Name	OJ991113_31.9C10.C10.o2.tm	Method	TBLASTX:Maize
Start	4999	End	5298
GI	none	Score	345
Exons	4999..5298, 5001..5228		

Seq. No.	1999	Seq. ID	OJ991113_31.9C10.C10
Gene No.	4208	Strand	
Start	5665	End	5917
Name	OJ991113_31.9C10.C10.o3.tm	Method	TBLASTX:Maize
Start	5665	End	5917
GI	none	Score	300
Exons	5665..5910, 5666..5917		

Seq. No.	2000	Seq. ID	OJ991113_31.9C10.C11
Gene No.	4209	Strand	+
Start	1522	End	1755
Name	OJ991113_31.9C10.C11.o1.gp	Method	AAT/GAP
Start	1522	End	1755
GI	2312126	Score	419
Exons	1522..1755		

Seq. No.	2000	Seq. ID	OJ991113_31.9C10.C11
Gene No.	4210	Strand	+
Start	1699	End	2216
Name	OJ991113_31.9C10.C11.o2.gp	Method	AAT/GAP
Start	1699	End	2216
GI	none	Score	803
Exons	1699..1725, 1750..2216		

Seq. No.	2000	Seq. ID	OJ991113_31.9C10.C11
Gene No.	4211	Strand	+
Start	2591	End	3292
Name	OJ991113_31.9C10.C11.o3.gp	Method	AAT/GAP
Start	2591	End	3292
GI	LIB3432-052-P1-K1-D9	Score	802
Exons	2591..2969, 3241..3292		
GI Descrip.	'2326760/emb|Y14434|MTTANAD2X mitochondrial nad2 gene exons 3, 4 and 5, and trnY gene'	0.0e+00	Triticum aestivum

Seq. No.	2000	Seq. ID	OJ991113_31.9C10.C11
Gene No.	4212	Strand	+
Start	3447	End	5234
Name	OJ991113_31.9C10.C11.o1.np	Method	AAT/NAP
Start	3447	End	5234
GI	4510427	Score	60
Exons	3447..3512, 3589..3680, 5186..5234		
GI Descrip.	(AC006929) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2000	Seq. ID	OJ991113_31.9C10.C11
Gene No.	4213	Strand	-
Start	4604	End	8274
Name	OJ991113_31.9C10.C11.o2.np	Method	AAT/NAP
Start	4604	End	8274
GI	5852181	Score	131
Exons	4604..4663, 5848..6170, 8209..8274		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	2000	Seq. ID	OJ991113_31.9C10.C11
Gene No.	4213	Strand	-
Start	4604	End	8274
Name	OJ991113_31.9C10.C11.o2.gs	Method	GENSCAN
Start	7201	End	8041
GI	none	Score	.56
Exons	7201..7256, 7465..7665, 7880..8041		

Seq. No.	2001	Seq. ID	OJ991113_31.9C10.C12
Gene No.	4214	Strand	+
Start	37	End	606
Name	OJ991113_31.9C10.C12.o1.gs	Method	GENSCAN
Start	37	End	606
GI	none	Score	.8
Exons	37..126, 262..606		

Seq. No.	2002	Seq. ID	OJ991113_31.9C10.C13
Gene No.	4215	Strand	+
Start	348	End	637
Name	OJ991113_31.9C10.C13.o1.gs	Method	GENSCAN
Start	348	End	637
GI	none	Score	.4
Exons	348..406, 558..637		

Seq. No.	2003	Seq. ID	OJ991113_31.9C10.C14
Gene No.	4216	Strand	+
Start	99	End	6720
Name	OJ991113_31.9C10.C14.o2.np	Method	AAT/NAP
Start	99	End	5647

GI	4680179	Score	327
Exons	99..179, 5348..5647		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2003	Seq. ID	OJ991113_31.9C10.C14
Gene No.	4216	Strand	+
Start	99	End	6720
Name	OJ991113_31.9C10.C14.o1.gs	Method	GENSCAN
Start	213	End	6634
GI	none	Score	.69
Exons	213..283, 377..485, 1344..1659, 2914..3122, 3513..3839, 3926..4214, 4363..4641, 4719..4906, 4925..4953, 4995..5170, 5243..5347, 5617..5659, 5933..6036, 6464..6634		

Seq. No.	2003	Seq. ID	OJ991113_31.9C10.C14
Gene No.	4216	Strand	+
Start	99	End	6720
Name	OJ991113_31.9C10.C14.o1.np	Method	AAT/NAP
Start	2954	End	6720
GI	6691716	Score	1889
Exons	2954..3852, 4050..4214, 4292..4404, 4481..4641, 4719..4906, 4981..5083, 5234..5347, 6669..6720		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	2003	Seq. ID	OJ991113_31.9C10.C14
Gene No.	4216	Strand	+
Start	99	End	6720
Name	OJ991113_31.9C10.C14.o1.tw	Method	TBLASTX:Wheat
Start	3075	End	3365
GI	none	Score	200
Exons	3075..3365		

Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4217	Strand	+
Start	135	End	1267
Name	OJ991113_31.9C10.C17.o1.gs	Method	GENSCAN
Start	135	End	1267
GI	none	Score	.76
Exons	135..138, 816..1031, 1113..1267		

Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4217	Strand	+
Start	135	End	1267
Name	OJ991113_31.9C10.C17.o1.np	Method	AAT/NAP
Start	802	End	1264
GI	5902446	Score	585
Exons	802..1264		
GI Descrip.	(AB030283) orf5 [Oryza sativa]		

Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4218	Strand	+
Start	5223	End	14142
Name	OJ991113_31.9C10.C17.o3.gs	Method	GENSCAN
Start	5223	End	14142
GI	none	Score	.9

Exons	5223..5306, 5364..5439, 5540..5620, 6708..6843, 9160..9439, 10289..10440, 10877..11034, 11141..11274, 12171..12304, 12392..12467, 12794..12958, 14089..14142		
Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4218	Strand	+
Start	5223	End	14142
Name	OJ991113_31.9C10.C17.o3.np	Method	AAT/NAP
Start	9278	End	13351
GI	6331695	Score	1961
Exons	9278..9457, 10289..10547, 10885..11034, 11141..11274, 11983..12075, 12171..12304, 12392..12467, 12532..12608, 12690..12723, 12809..12958, 13068..13202, 13283..13351		
GI Descrip.	(AB024986) cyclin [Oryza sativa]		
Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4218	Strand	+
Start	5223	End	14142
Name	OJ991113_31.9C10.C17.o2.gp	Method	AAT/GAP
Start	10266	End	12370
GI	97_1.R1084	Score	1308
Exons	10266..10547, 10885..11034, 11141..11274, 11983..12075, 12171..12370		
GI Descrip.	'1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]'		
Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4218	Strand	+
Start	5223	End	14142
Name	OJ991113_31.9C10.C17.o3.gp	Method	AAT/GAP
Start	10372	End	12476
GI	97_1.R1084	Score	1330
Exons	10372..10547, 10885..11034, 11141..11274, 11983..12075, 12171..12304, 12392..12476		
GI Descrip.	'1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]'		
Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4218	Strand	+
Start	5223	End	14142
Name	OJ991113_31.9C10.C17.o1.gp	Method	AAT/GAP
Start	10616	End	10875
GI	LIB3431-010-P1-N1-F11	Score	453
Exons	10616..10875		
GI Descrip.	'287403/dbj|D10838|RICSBE1 1.0e-111 Rice gene for starch branching enzyme'		
Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4218	Strand	+
Start	5223	End	14142
Name	OJ991113_31.9C10.C17.o4.gp	Method	AAT/GAP
Start	11135	End	13184
GI	97_1.R1084	Score	1407
Exons	11135..11274, 11983..12075, 12171..12304, 12392..12467, 12532..12608, 12690..12723, 12809..12958, 13068..13184		
GI Descrip.	'1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]'		
Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4218	Strand	+

Start	5223	End	14142
Name	OJ991113_31.9C10.C17.o5.gp	Method	AAT/GAP
Start	11175	End	13209
GI	97_1.R1084	Score	1373
Exons	11175..11274, 11983..12075, 12171..12304, 12392..12467, 12532..12608, 12690..12723, 12809..12958, 13068..13209		
GI Descrip.	'1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]'		

Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4218	Strand	+
Start	5223	End	14142
Name	OJ991113_31.9C10.C17.o8.gp	Method	AAT/GAP
Start	11492	End	13596
GI	97_1.R1084	Score	1770
Exons	11492..11550, 11958..12075, 12171..12304, 12392..12467, 12532..12608, 12690..12723, 12809..12958, 13068..13202, 13283..13596		
GI Descrip.	'1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]'		

Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4218	Strand	+
Start	5223	End	14142
Name	OJ991113_31.9C10.C17.o7.gp	Method	AAT/GAP
Start	11964	End	13430
GI	97_1.R1084	Score	1466
Exons	11964..12075, 12171..12304, 12392..12467, 12532..12608, 12690..12723, 12809..12958, 13068..13202, 13283..13430		
GI Descrip.	'1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]'		

Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4218	Strand	+
Start	5223	End	14142
Name	OJ991113_31.9C10.C17.o9.gp	Method	AAT/GAP
Start	11982	End	13722
GI	97_1.R1084	Score	2015
Exons	11982..12075, 12171..12304, 12392..12467, 12532..12608, 12690..12723, 12809..12958, 13068..13202, 13283..13722		
GI Descrip.	'1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]'		

Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4218	Strand	+
Start	5223	End	14142
Name	OJ991113_31.9C10.C17.o6.gp	Method	AAT/GAP
Start	11983	End	13366
GI	97_1.R1084	Score	1360
Exons	11983..12075, 12171..12304, 12392..12467, 12532..12608, 12690..12723, 12809..12958, 13068..13202, 13283..13366		
GI Descrip.	'1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]'		

Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4219	Strand	+
Start	21534	End	26268
Name	OJ991113_31.9C10.C17.o5.gs	Method	GENSCAN
Start	21534	End	26244
GI	none	Score	.55
Exons	21534..22146, 22223..22408, 22622..22900, 22983..23174, 23256..23896, 23975..24286, 24506..24666, 24711..26244		

Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4219	Strand	+
Start	21534	End	26268
Name	OJ991113_31.9C10.C17.o4.np	Method	AAT/NAP
Start	22070	End	26268
GI	6498441	Score	3410
Exons	22070..23133, 23461..23911, 23975..24348, 24532..24666, 24840..25467, 25654..26127, 26169..26268		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4220	Strand	-
Start	1574	End	5011
Name	OJ991113_31.9C10.C17.o2.gs	Method	GENSCAN
Start	1574	End	4581
GI	none	Score	.81
Exons	1574..2658, 2788..2960, 4175..4581		

Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4220	Strand	-
Start	1574	End	5011
Name	OJ991113_31.9C10.C17.o2.np	Method	AAT/NAP
Start	1577	End	5011
GI	5902445	Score	3001
Exons	1577..2653, 4192..5011		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4221	Strand	-
Start	15194	End	26109
Name	OJ991113_31.9C10.C17.o2.tw	Method	TBLASTX:Wheat
Start	1589	End	2200
GI	none	Score	89
Exons	1589..1723, 1742..2200, 1938..2045		

Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4221	Strand	-
Start	15194	End	26109
Name	OJ991113_31.9C10.C17.o6.tm	Method	TBLASTX:Maize
Start	1625	End	1879
GI	none	Score	105
Exons	1625..1726, 1626..1727, 1706..1879, 1707..1832		

Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4221	Strand	-
Start	15194	End	26109
Name	OJ991113_31.9C10.C17.o4.tw	Method	TBLASTX:Wheat
Start	2202	End	2569
GI	none	Score	222
Exons	2202..2564, 2207..2569, 2315..2569		

Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4221	Strand	-
Start	15194	End	26109

Name	OJ991113_31.9C10.C17.o2.tm	Method	TBLASTX:Maize
Start	2345	End	4245
GI	none	Score	63
Exons	2345..2392, 2346..2393, 2384..2659, 2397..2657, 4189..4245		

Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4221	Strand	-
Start	15194	End	26109
Name	OJ991113_31.9C10.C17.o9.tw	Method	TBLASTX:Wheat
Start	4201	End	26109
GI	none	Score	64
Exons	4201..4368, 4408..4539, 4408..4542, 25951..26109		

Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4221	Strand	-
Start	15194	End	26109
Name	OJ991113_31.9C10.C17.o2.ts	Method	TBLASTX:Soybean
Start	4625	End	25887
GI	none	Score	63
Exons	4625..4846, 4626..4721, 4770..4850, 4892..4990, 4896..4982, 25462..25560, 25651..25887		

Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4221	Strand	-
Start	15194	End	26109
Name	OJ991113_31.9C10.C17.o6.tw	Method	TBLASTX:Wheat
Start	4628	End	25941
GI	none	Score	269
Exons	4628..4981, 4635..4976, 25465..25563, 25471..25569, 25472..25582, 25611..25940, 25648..25941, 25648..25704, 25650..25859, 25768..25920		

Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4221	Strand	-
Start	15194	End	26109
Name	OJ991113_31.9C10.C17.o7.tm	Method	TBLASTX:Maize
Start	4655	End	4927
GI	none	Score	63
Exons	4655..4753, 4656..4721, 4757..4927		

Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4221	Strand	-
Start	15194	End	26109
Name	OJ991113_31.9C10.C17.o1.ts	Method	TBLASTX:Soybean
Start	10881	End	13347
GI	none	Score	112
Exons	10881..10970, 11182..11274, 11195..11278, 11980..12081, 11988..12077, 12004..12081, 12120..12305, 12158..12301, 12162..12311, 12393..12470, 12393..12470, 12394..12471, 12395..12472, 12508..12603, 12529..12609, 12531..12620, 12531..12608, 12688..12726, 12808..12954, 12812..12958, 13067..13201, 13068..13202, 13280..13342, 13282..13347, 13282..13335		

Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4221	Strand	-
Start	15194	End	26109

Name	OJ991113_31.9C10.C17.o1.tc	Method	TBLASTX:Cress
Start	11143	End	13202
GI	none	Score	105
Exons	11143..11277, 11980..12081, 12004..12075, 12158..12307, 12165..12305, 12392..12469, 12393..12470, 12529..12609, 12812..12958, 13068..13202		

Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4221	Strand	-
Start	15194	End	26109
Name	OJ991113_31.9C10.C17.o5.tm	Method	TBLASTX:Maize
Start	11188	End	12573
GI	none	Score	64
Exons	11188..11280, 11989..12081, 11995..12072, 12042..12077, 12158..12307, 12162..12311, 12165..12305, 12393..12455, 12393..12455, 12523..12573		

Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4221	Strand	-
Start	15194	End	26109
Name	OJ991113_31.9C10.C17.o1.tm	Method	TBLASTX:Maize
Start	12583	End	13427
GI	none	Score	62
Exons	12583..12609, 12672..12728, 12689..12724, 12807..12959, 12807..12956, 12808..12957, 13040..13201, 13040..13201, 13054..13212, 13068..13202, 13069..13212, 13280..13360, 13281..13337, 13282..13362, 13282..13362, 13368..13427		

Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4221	Strand	-
Start	15194	End	26109
Name	OJ991113_31.9C10.C17.o10.gp	Method	AAT/GAP
Start	14858	End	15105
GI	none	Score	431
Exons	14858..15105		

Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4221	Strand	-
Start	15194	End	26109
Name	OJ991113_31.9C10.C17.o11.gp	Method	AAT/GAP
Start	15107	End	17789
GI	90811_1.R1084	Score	944
Exons	15107..15290, 15616..15673, 15756..15783, 15938..16007, 16632..16732, 17705..17789		
GI Descrip.	'2388999/emb|CAB11732| 8.0e-10 (Z98981) hypothetical protein [Schizosaccharomyces pombe]'		

Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4221	Strand	-
Start	15194	End	26109
Name	OJ991113_31.9C10.C17.o4.gs	Method	GENSCAN
Start	15194	End	17857
GI	none	Score	.95
Exons	15194..15290, 15616..15673, 15756..15783, 15938..16007, 16632..16732, 17705..17857		

Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17

Gene No.	4221	Strand	-
Start	15194	End	26109
Name	OJ991113_31.9C10.C17.o7.tw	Method	TBLASTX:Wheat
Start	22222	End	22611
GI	none	Score	47
Exons	22222..22266, 22269..22343, 22269..22379, 22273..22371, 22338..22577, 22339..22611		

Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4221	Strand	-
Start	15194	End	26109
Name	OJ991113_31.9C10.C17.o3.tw	Method	TBLASTX:Wheat
Start	23344	End	23875
GI	none	Score	415
Exons	23344..23517, 23345..23875, 23357..23773, 23539..23856		

Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4221	Strand	-
Start	15194	End	26109
Name	OJ991113_31.9C10.C17.o1.tw	Method	TBLASTX:Wheat
Start	23983	End	24445
GI	none	Score	570
Exons	23983..24444, 23984..24445		

Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4221	Strand	-
Start	15194	End	26109
Name	OJ991113_31.9C10.C17.o4.ts	Method	TBLASTX:Soybean
Start	24023	End	24388
GI	none	Score	110
Exons	24023..24238, 24254..24388		

Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4221	Strand	-
Start	15194	End	26109
Name	OJ991113_31.9C10.C17.o3.tm	Method	TBLASTX:Maize
Start	24113	End	24469
GI	none	Score	374
Exons	24113..24469, 24154..24459		

Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4221	Strand	-
Start	15194	End	26109
Name	OJ991113_31.9C10.C17.o4.tm	Method	TBLASTX:Maize
Start	24496	End	24852
GI	none	Score	275
Exons	24496..24780, 24497..24781, 24769..24852		

Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4221	Strand	-
Start	15194	End	26109
Name	OJ991113_31.9C10.C17.o3.ts	Method	TBLASTX:Soybean
Start	24530	End	24766
GI	none	Score	201
Exons	24530..24766, 24649..24744		

Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17

Gene No.	4221	Strand	-
Start	15194	End	26109
Name	OJ991113_31.9C10.C17.o5.tw	Method	TBLASTX:Wheat
Start	24554	End	24977
GI	none	Score	268
Exons	24554..24775, 24559..24774, 24653..24775, 24766..24855, 24792..24977, 24898..24972		

Seq. No.	2004	Seq. ID	OJ991113_31.9C10.C17
Gene No.	4221	Strand	-
Start	15194	End	26109
Name	OJ991113_31.9C10.C17.o8.tw	Method	TBLASTX:Wheat
Start	25201	End	25464
GI	none	Score	216
Exons	25201..25464, 25266..25460		

Seq. No.	2005	Seq. ID	OJ991113_31.9C10.C18
Gene No.	4222	Strand	+
Start	1	End	2228
Name	OJ991113_31.9C10.C18.o1.np	Method	AAT/NAP
Start	1	End	2228
GI	5042454	Score	406
Exons	1..390, 2136..2228		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	2005	Seq. ID	OJ991113_31.9C10.C18
Gene No.	4222	Strand	+
Start	1	End	2228
Name	OJ991113_31.9C10.C18.o1.gs	Method	GENSCAN
Start	64	End	391
GI	none	Score	.98
Exons	64..391		

Seq. No.	2005	Seq. ID	OJ991113_31.9C10.C18
Gene No.	4223	Strand	+
Start	3925	End	7774
Name	OJ991113_31.9C10.C18.o3.np	Method	AAT/NAP
Start	3925	End	7774
GI	6063554	Score	492
Exons	3925..3947, 6007..6292, 6410..6666, 7600..7774		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2005	Seq. ID	OJ991113_31.9C10.C18
Gene No.	4223	Strand	+
Start	3925	End	7774
Name	OJ991113_31.9C10.C18.o1.gp	Method	AAT/GAP
Start	6091	End	6551
GI	LIB3434-015-P1-K1-G2	Score	841
Exons	6091..6551		
GI Descrip.	'6063530/dbj|AP000615.1|AP000615 2.0e-46 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01'		

Seq. No.	2005	Seq. ID	OJ991113_31.9C10.C18
Gene No.	4224	Strand	-
Start	1	End	3481

Name	OJ991113_31.9C10.C18.o2.np	Method	AAT/NAP
Start	1	End	3481
GI	5803259	Score	1425
Exons	1..322, 1155..2151, 2270..3481		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	2005	Seq. ID	OJ991113_31.9C10.C18
Gene No.	4224	Strand	-
Start	1	End	3481
Name	OJ991113_31.9C10.C18.o2.gs	Method	GENSCAN
Start	1078	End	3472
GI	none	Score	.9
Exons	1078..2167, 2268..3472		

Seq. No.	2005	Seq. ID	OJ991113_31.9C10.C18
Gene No.	4225	Strand	-
Start	6408	End	9843
Name	OJ991113_31.9C10.C18.o3.gs	Method	GENSCAN
Start	6408	End	9843
GI	none	Score	.71
Exons	6408..6699, 7833..7935, 8366..9353, 9425..9538, 9586..9843		

Seq. No.	2005	Seq. ID	OJ991113_31.9C10.C18
Gene No.	4226	Strand	-
Start	11326	End	17551
Name	OJ991113_31.9C10.C18.o4.gs	Method	GENSCAN
Start	11326	End	17551
GI	none	Score	.44
Exons	11326..11415, 12394..12548, 13514..13672, 15774..15804, 16182..16281, 17472..17551		

Seq. No.	2006	Seq. ID	OJ991113_31.9C10.C19
Gene No.	4227	Strand	+
Start	13607	End	13948
Name	OJ991113_31.9C10.C19.o3.gs	Method	GENSCAN
Start	13607	End	13948
GI	none	Score	.98
Exons	13607..13948		

Seq. No.	2006	Seq. ID	OJ991113_31.9C10.C19
Gene No.	4228	Strand	-
Start	1475	End	4376
Name	OJ991113_31.9C10.C19.o1.np	Method	AAT/NAP
Start	1448	End	3593
GI	629693	Score	524
Exons	1448..2544, 3572..3593		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	2006	Seq. ID	OJ991113_31.9C10.C19
Gene No.	4228	Strand	-
Start	1475	End	4376
Name	OJ991113_31.9C10.C19.o1.gs	Method	GENSCAN
Start	1475	End	4376
GI	none	Score	.83
Exons	1475..1976, 2097..3241, 3714..3937, 4019..4376		

Seq. No.	2006	Seq. ID	OJ991113_31.9C10.C19
Gene No.	4229	Strand	-
Start	4702	End	13294
Name	OJ991113_31.9C10.C19.o2.gs	Method	GENSCAN
Start	4702	End	13178
GI	none	Score	.62
Exons	4702..5755, 5819..6023, 6104..7112, 7176..7616, 7645..7914, 8232..8267, 8300..8430, 9485..9661, 9811..9868, 13089..13178		

Seq. No.	2006	Seq. ID	OJ991113_31.9C10.C19
Gene No.	4229	Strand	-
Start	4702	End	13294
Name	OJ991113_31.9C10.C19.o5.np	Method	AAT/NAP
Start	13001	End	13294
GI	1362599	Score	43
Exons	13001..13294		
GI Descrip.	Abl substrate ena (enabled) - fruit fly (Drosophila melanogaster) gi|755821 (U21123) ena polypeptide [Drosophila melanogaster]		

Seq. No.	2006	Seq. ID	OJ991113_31.9C10.C19
Gene No.	4230	Strand	-
Start	14644	End	14708
Name	OJ991113_31.9C10.C19.o1.gp	Method	AAT/GAP
Start	14644	End	14708
GI	uC-osflcyp158c04a1	Score	77
Exons	14644..14708		
GI Descrip.	'4581164/gb|AAD24647.1|AC006220_3 2.0e-17 (AC006220) putative polyprotein [Arabidopsis thaliana]'		

Seq. No.	2006	Seq. ID	OJ991113_31.9C10.C19
Gene No.	4231	Strand	-
Start	15290	End	15630
Name	OJ991113_31.9C10.C19.o6.ts	Method	TBLASTX:Soybean
Start	1459	End	1732
GI	none	Score	43
Exons	1459..1488, 1499..1732, 1500..1520, 1560..1730, 1565..1732		

Seq. No.	2006	Seq. ID	OJ991113_31.9C10.C19
Gene No.	4231	Strand	-
Start	15290	End	15630
Name	OJ991113_31.9C10.C19.o2.tw	Method	TBLASTX:Wheat
Start	1520	End	1915
GI	none	Score	69
Exons	1520..1915, 1542..1739		

Seq. No.	2006	Seq. ID	OJ991113_31.9C10.C19
Gene No.	4231	Strand	-
Start	15290	End	15630
Name	OJ991113_31.9C10.C19.o3.tw	Method	TBLASTX:Wheat
Start	1952	End	2315
GI	none	Score	78
Exons	1952..2314, 2148..2315		

Seq. No.	2006	Seq. ID	OJ991113_31.9C10.C19
Gene No.	4231	Strand	-
Start	15290	End	15630

Name	OJ991113_31.9C10.C19.o3.ts	Method	TBLASTX:Soybean
Start	2075	End	2473
GI	none	Score	106
Exons	2075..2473, 2163..2462		

Seq. No.	2006	Seq. ID	OJ991113_31.9C10.C19
Gene No.	4231	Strand	-
Start	15290	End	15630
Name	OJ991113_31.9C10.C19.o3.tm	Method	TBLASTX:Maize
Start	2096	End	2476
GI	none	Score	80
Exons	2096..2320, 2315..2476		

Seq. No.	2006	Seq. ID	OJ991113_31.9C10.C19
Gene No.	4231	Strand	-
Start	15290	End	15630
Name	OJ991113_31.9C10.C19.o5.tw	Method	TBLASTX:Wheat
Start	2801	End	3175
GI	none	Score	60
Exons	2801..3175, 2910..3053		

Seq. No.	2006	Seq. ID	OJ991113_31.9C10.C19
Gene No.	4231	Strand	-
Start	15290	End	15630
Name	OJ991113_31.9C10.C19.o2.ts	Method	TBLASTX:Soybean
Start	2925	End	3305
GI	none	Score	96
Exons	2925..3179, 2927..3178, 3186..3248, 3200..3238, 3222..3305, 3250..3303		

Seq. No.	2006	Seq. ID	OJ991113_31.9C10.C19
Gene No.	4231	Strand	-
Start	15290	End	15630
Name	OJ991113_31.9C10.C19.o1.ts	Method	TBLASTX:Soybean
Start	3456	End	3891
GI	none	Score	82
Exons	3456..3644, 3469..3600, 3645..3890, 3796..3891		

Seq. No.	2006	Seq. ID	OJ991113_31.9C10.C19
Gene No.	4231	Strand	-
Start	15290	End	15630
Name	OJ991113_31.9C10.C19.o4.tw	Method	TBLASTX:Wheat
Start	3543	End	3911
GI	none	Score	34
Exons	3543..3644, 3606..3911, 3610..3732, 3790..3867		

Seq. No.	2006	Seq. ID	OJ991113_31.9C10.C19
Gene No.	4231	Strand	-
Start	15290	End	15630
Name	OJ991113_31.9C10.C19.o1.tm	Method	TBLASTX:Maize
Start	3612	End	4052
GI	none	Score	211
Exons	3612..3908, 3613..3903, 3794..3988, 3985..4050, 3987..4052		

Seq. No.	2006	Seq. ID	OJ991113_31.9C10.C19
Gene No.	4231	Strand	-
Start	15290	End	15630

Name	OJ991113_31.9C10.C19.o1.tw	Method	TBLASTX:Wheat
Start	3941	End	4325
GI	none	Score	246
Exons	3941..3988, 3985..4251, 3987..4274, 4263..4325		

Seq. No.	2006	Seq. ID	OJ991113_31.9C10.C19
Gene No.	4231	Strand	-
Start	15290	End	15630
Name	OJ991113_31.9C10.C19.o2.tm	Method	TBLASTX:Maize
Start	4053	End	4271
GI	none	Score	189
Exons	4053..4271, 4054..4251		

Seq. No.	2006	Seq. ID	OJ991113_31.9C10.C19
Gene No.	4231	Strand	-
Start	15290	End	15630
Name	OJ991113_31.9C10.C19.o4.ts	Method	TBLASTX:Soybean
Start	4122	End	4487
GI	none	Score	122
Exons	4122..4256, 4269..4487		

Seq. No.	2006	Seq. ID	OJ991113_31.9C10.C19
Gene No.	4231	Strand	-
Start	15290	End	15630
Name	OJ991113_31.9C10.C19.o5.ts	Method	TBLASTX:Soybean
Start	4864	End	5202
GI	none	Score	200
Exons	4864..5202		

Seq. No.	2006	Seq. ID	OJ991113_31.9C10.C19
Gene No.	4231	Strand	-
Start	15290	End	15630
Name	OJ991113_31.9C10.C19.o4.gs	Method	GENSCAN
Start	15290	End	15630
GI	none	Score	.8
Exons	15290..15630		

Seq. No.	2007	Seq. ID	OJ991113_31.9C10.C21
Gene No.	4232	Strand	+
Start	1	End	1085
Name	OJ991113_31.9C10.C21.o1.np	Method	AAT/NAP
Start	1	End	1085
GI	6498441	Score	1524
Exons	1..711, 805..1085		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	2007	Seq. ID	OJ991113_31.9C10.C21
Gene No.	4232	Strand	+
Start	1	End	1085
Name	OJ991113_31.9C10.C21.o1.tm	Method	TBLASTX:Maize
Start	1	End	290
GI	none	Score	325
Exons	1..279, 6..269, 150..290		

Seq. No.	2007	Seq. ID	OJ991113_31.9C10.C21

Gene No.	4232	Strand	+
Start	1	End	1085
Name	OJ991113_31.9C10.C21.o1.gs	Method	GENSCAN
Start	86	End	1020
GI	none	Score	.77
Exons	86..1020		

Seq. No.	2007	Seq. ID	OJ991113_31.9C10.C21
Gene No.	4232	Strand	+
Start	1	End	1085
Name	OJ991113_31.9C10.C21.o1.tw	Method	TBLASTX:Wheat
Start	93	End	474
GI	none	Score	395
Exons	93..443, 94..474		

Seq. No.	2007	Seq. ID	OJ991113_31.9C10.C21
Gene No.	4232	Strand	+
Start	1	End	1085
Name	OJ991113_31.9C10.C21.o2.tw	Method	TBLASTX:Wheat
Start	477	End	1076
GI	none	Score	53
Exons	477..578, 478..765, 479..550, 480..566, 618..767, 883..921, 952..981, 1014..1076		

Seq. No.	2008	Seq. ID	OJ991113_31.9C10.C22
Gene No.	4233	Strand	+
Start	475	End	1109
Name	OJ991113_31.9C10.C22.o1.np	Method	AAT/NAP
Start	475	End	1109
GI	2498930	Score	745
Exons	475..538, 706..1109		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	2008	Seq. ID	OJ991113_31.9C10.C22
Gene No.	4233	Strand	+
Start	475	End	1109
Name	OJ991113_31.9C10.C22.o1.gs	Method	GENSCAN
Start	479	End	1008
GI	none	Score	.47
Exons	479..538, 706..1008		

Seq. No.	2009	Seq. ID	OJ991113_30.9C10.C1
Gene No.	4234	Strand	+
Start	643	End	749
Name	OJ991113_30.9C10.C1.o1.gp	Method	AAT/GAP
Start	643	End	749
GI	3759838	Score	190
Exons	643..749		

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4235	Strand	+
Start	1	End	167
Name	OJ991113_30.9C10.C3.o1.gp	Method	AAT/GAP
Start	1	End	167
GI	LIB3433-016-Q6-K6-H7	Score	318
Exons	1..167		

GI Descrip.	'167043/gb|M36650|BLYGAPDH 8.0e-12 Barley glyceraldehyde-3-phosphate dehydrogenase mRNA, 3'' end'		
Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4236	Strand	+
Start	4181	End	16273
Name	OJ991113_30.9C10.C3.o2.gs	Method	GENSCAN
Start	4181	End	16273
GI	none	Score	.84
Exons	4181..5134, 5207..5326, 5408..5461, 7255..7419, 8069..8167, 9514..9642, 9882..10060, 10178..10202, 10786..10840, 12978..13104, 14784..14940, 15454..15504, 16095..16187, 16262..16273		
Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4236	Strand	+
Start	4181	End	16273
Name	OJ991113_30.9C10.C3.o1.np	Method	AAT/NAP
Start	5020	End	10620
GI	4759030	Score	360
Exons	5020..5134, 5207..5326, 5408..5461, 5693..5805, 6025..6237, 6349..6427, 6541..6604, 6642..6748, 6851..6904, 7073..7185, 9966..10036, 10583..10620		
GI Descrip.	RecQ protein 4 gi|4191810|dbj|BAA74453| (AB006532) DNA helicase [Homo sapiens] gi|6440969|dbj|BAA86899.1| (AB026546) RECQL4 helicase [Homo sapiens]		
Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4236	Strand	+
Start	4181	End	16273
Name	OJ991113_30.9C10.C3.o3.gp	Method	AAT/GAP
Start	12886	End	15500
GI	2442453	Score	743
Exons	12886..13104, 14784..14940, 15454..15500		
Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4236	Strand	+
Start	4181	End	16273
Name	OJ991113_30.9C10.C3.o2.np	Method	AAT/NAP
Start	12986	End	16196
GI	6382528	Score	389
Exons	12986..13104, 14784..14940, 15454..15504, 16095..16196		
GI Descrip.	(AC011020) unknown protein [Arabidopsis thaliana]		
Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4237	Strand	+
Start	16660	End	17224
Name	OJ991113_30.9C10.C3.o4.gp	Method	AAT/GAP
Start	16660	End	17224
GI	3762847	Score	920
Exons	16660..17224		
Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4238	Strand	+
Start	17886	End	18207
Name	OJ991113_30.9C10.C3.o6.gp	Method	AAT/GAP
Start	17886	End	18207

GI	2800383	Score	606
Exons	17886..18207		
GI Descrip.	1346487/sp|P49081|MASY_MAIZE 7.0e-19 MALATE SYNTHASE, GLYOXYSOMAL >gi_532625 (L35914) malate synthase [Zea mays]		

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4239	Strand	+
Start	39595	End	41461
Name	OJ991113_30.9C10.C3.o4.gs	Method	GENSCAN
Start	39595	End	41461
GI	none	Score	.42
Exons	39595..39708, 39819..39932, 40025..41461		

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4239	Strand	+
Start	39595	End	41461
Name	OJ991113_30.9C10.C3.o4.np	Method	AAT/NAP
Start	39610	End	41449
GI	2213600	Score	1426
Exons	39610..41449		
GI Descrip.	(AC000348) T7N9.20 [Arabidopsis thaliana]		

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4239	Strand	+
Start	39595	End	41461
Name	OJ991113_30.9C10.C3.o7.gp	Method	AAT/GAP
Start	40764	End	41198
GI	LIB3431-022-P1-K1-H10	Score	835
Exons	40764..41198		
GI Descrip.	'2213600 1.0e-34 (AC000348) T7N9.20 [Arabidopsis thaliana]'		

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4240	Strand	-
Start	1	End	524
Name	OJ991113_30.9C10.C3.o2.gp	Method	AAT/GAP
Start	1	End	524
GI	407_1.R1084	Score	525
Exons	1..54, 242..524		
GI Descrip.	'1184774 1.0e-171 (U45856) cytosolic glyceroldehyde-3-phosphate dehydrogenase GAPC3 [Zea mays]'		

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4241	Strand	-
Start	1044	End	1613
Name	OJ991113_30.9C10.C3.o1.gs	Method	GENSCAN
Start	1044	End	1613
GI	none	Score	.99
Exons	1044..1613		

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4242	Strand	-
Start	17386	End	19630
Name	OJ991113_30.9C10.C3.o5.gp	Method	AAT/GAP
Start	17386	End	17727
GI	LIB3434-030-P1-K1-F7	Score	642
Exons	17386..17727		
GI Descrip.	'1346487/sp|P49081|MASY_MAIZE 7.0e-19 MALATE SYNTHASE,		

GLYOXYSOMAL >gi_532625 (L35914) malate synthase [Zea mays]'

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4242	Strand	-
Start	17386	End	19630
Name	OJ991113_30.9C10.C3.o3.np	Method	AAT/NAP
Start	17502	End	19630
GI	1346487	Score	2197
Exons	17502..18170, 18260..18591, 18855..19180, 19265..19630		
GI Descrip.	MALATE SYNTHASE, GLYOXYSOMAL gi|532625 (L35914) malate synthase [Zea mays]		

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4243	Strand	-
Start	41486	End	41911
Name	OJ991113_30.9C10.C3.o8.gp	Method	AAT/GAP
Start	41486	End	41911
GI	none	Score	852
Exons	41486..41911		

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4244	Strand	-
Start	42965	End	46674
Name	OJ991113_30.9C10.C3.o12.tm	Method	TBLASTX:Maize
Start	4989	End	5137
GI	none	Score	204
Exons	4989..5129, 4990..5136, 4991..5137, 4991..5137		

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4244	Strand	-
Start	42965	End	46674
Name	OJ991113_30.9C10.C3.o6.tm	Method	TBLASTX:Maize
Start	6679	End	7412
GI	none	Score	102
Exons	6679..6750, 6680..6751, 6850..6906, 6851..6916, 6851..6907, 7065..7211, 7073..7210, 7267..7410, 7281..7412, 7290..7412		

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4244	Strand	-
Start	42965	End	46674
Name	OJ991113_30.9C10.C3.o9.tm	Method	TBLASTX:Maize
Start	10179	End	10646
GI	none	Score	45
Exons	10179..10205, 10179..10205, 10284..10391, 10284..10400, 10285..10413, 10475..10561, 10478..10558, 10611..10646		

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4244	Strand	-
Start	42965	End	46674
Name	OJ991113_30.9C10.C3.o8.tc	Method	TBLASTX:Cress
Start	10284	End	10552
GI	none	Score	169
Exons	10284..10400, 10285..10401, 10478..10552		

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4244	Strand	-
Start	42965	End	46674

Name	OJ991113_30.9C10.C3.o10.tm	Method	TBLASTX:Maize
Start	14767	End	16748
GI	none	Score	142
Exons	14767..14943, 14783..14941, 14785..14943, 14787..14945, 15453..15506, 15453..15506, 15454..15507, 16092..16208, 16092..16190, 16094..16204, 16664..16735, 16665..16748		

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4244	Strand	-
Start	42965	End	46674
Name	OJ991113_30.9C10.C3.o2.ts	Method	TBLASTX:Soybean
Start	17514	End	19603
GI	none	Score	73
Exons	17514..17633, 17515..17643, 17703..17945, 17731..17922, 17739..17948, 17988..18170, 17989..18171, 18254..18352, 18261..18350, 18526..18594, 18528..18593, 18843..19220, 18845..19180, 19265..19312, 19301..19381, 19317..19376, 19391..19603, 19404..19589		

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4244	Strand	-
Start	42965	End	46674
Name	OJ991113_30.9C10.C3.o1.tm	Method	TBLASTX:Maize
Start	17526	End	18352
GI	none	Score	449
Exons	17526..17633, 17527..17928, 17691..17942, 17700..17942, 17988..18029, 17988..18170, 17989..18171, 18254..18286, 18288..18305, 18314..18352, 18315..18350		

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4244	Strand	-
Start	42965	End	46674
Name	OJ991113_30.9C10.C3.o3.tc	Method	TBLASTX:Cress
Start	17700	End	17945
GI	none	Score	204
Exons	17700..17945, 17731..17922		

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4244	Strand	-
Start	42965	End	46674
Name	OJ991113_30.9C10.C3.o1.tc	Method	TBLASTX:Cress
Start	17994	End	19639
GI	none	Score	97
Exons	17994..18170, 17995..18171, 18254..18352, 18259..18273, 18261..18350, 18526..18594, 18528..18593, 18830..19096, 18849..19061, 19097..19180, 19101..19211, 19265..19312, 19301..19387, 19317..19391, 19391..19639, 19392..19589		

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4244	Strand	-
Start	42965	End	46674
Name	OJ991113_30.9C10.C3.o4.tm	Method	TBLASTX:Maize
Start	18959	End	19729
GI	none	Score	262
Exons	18959..19180, 18960..19220, 19089..19187, 19161..19463, 19223..19387, 19391..19627, 19392..19589, 19709..19729		

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4244	Strand	-
Start	42965	End	46674
Name	OJ991113_30.9C10.C3.o5.tm	Method	TBLASTX:Maize
Start	32297	End	33559
GI	none	Score	172
Exons	32297..32473, 32299..32475, 32301..32474, 33005..33250, 33018..33254, 33024..33254, 33037..33255, 33409..33558, 33416..33559, 33424..33558		

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4244	Strand	-
Start	42965	End	46674
Name	OJ991113_30.9C10.C3.o4.ts	Method	TBLASTX:Soybean
Start	33019	End	33230
GI	none	Score	227
Exons	33019..33222, 33021..33230, 33037..33222		

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4244	Strand	-
Start	42965	End	46674
Name	OJ991113_30.9C10.C3.o13.tm	Method	TBLASTX:Maize
Start	34317	End	34454
GI	none	Score	190
Exons	34317..34454, 34317..34451, 34340..34453		

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4244	Strand	-
Start	42965	End	46674
Name	OJ991113_30.9C10.C3.o3.ts	Method	TBLASTX:Soybean
Start	34350	End	35001
GI	none	Score	251
Exons	34350..34526, 34351..34518, 34355..34522, 34846..34977, 34867..35001, 34869..35000		

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4244	Strand	-
Start	42965	End	46674
Name	OJ991113_30.9C10.C3.o7.tm	Method	TBLASTX:Maize
Start	34454	End	35212
GI	none	Score	114
Exons	34454..34528, 34455..34526, 34455..34529, 34854..35045, 34858..35031, 35138..35212		

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4244	Strand	-
Start	42965	End	46674
Name	OJ991113_30.9C10.C3.o5.tc	Method	TBLASTX:Cress
Start	34860	End	35028
GI	none	Score	109
Exons	34860..35015, 34862..35014, 34867..35028, 34869..35021		

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4244	Strand	-
Start	42965	End	46674
Name	OJ991113_30.9C10.C3.o7.tc	Method	TBLASTX:Cress
Start	39681	End	40040

GI	none	Score	104
Exons	39681..39797, 39682..39783, 39794..39994, 39795..39821, 39873..40001, 39984..40040		

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4244	Strand	-
Start	42965	End	46674
Name	OJ991113_30.9C10.C3.o2.tm	Method	TBLASTX:Maize
Start	40421	End	40954
GI	none	Score	91
Exons	40421..40471, 40471..40794, 40472..40798, 40508..40798, 40716..40808, 40772..40816, 40788..40874, 40804..40944, 40804..40920, 40811..40954, 40814..40954		

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4244	Strand	-
Start	42965	End	46674
Name	OJ991113_30.9C10.C3.o1.ts	Method	TBLASTX:Soybean
Start	40436	End	41452
GI	none	Score	107
Exons	40436..40552, 40480..40536, 40562..40984, 40568..40987, 41020..41139, 41021..41164, 41021..41143, 41185..41382, 41186..41452		

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4244	Strand	-
Start	42965	End	46674
Name	OJ991113_30.9C10.C3.o2.tc	Method	TBLASTX:Cress
Start	40439	End	40897
GI	none	Score	112
Exons	40439..40558, 40465..40563, 40562..40792, 40568..40792, 40817..40897, 40817..40897		

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4244	Strand	-
Start	42965	End	46674
Name	OJ991113_30.9C10.C3.o1.tw	Method	TBLASTX:Wheat
Start	40658	End	40969
GI	none	Score	219
Exons	40658..40969		

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4244	Strand	-
Start	42965	End	46674
Name	OJ991113_30.9C10.C3.o3.tm	Method	TBLASTX:Maize
Start	40956	End	41541
GI	none	Score	66
Exons	40956..41012, 40957..41121, 40957..41400, 40958..41452, 40961..41512, 41179..41541, 41205..41513		

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4244	Strand	-
Start	42965	End	46674
Name	OJ991113_30.9C10.C3.o4.tc	Method	TBLASTX:Cress
Start	41147	End	41452
GI	none	Score	231
Exons	41147..41404, 41188..41376, 41387..41452		

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4244	Strand	-
Start	42965	End	46674
Name	OJ991113_30.9C10.C3.o5.gs	Method	GENSCAN
Start	42965	End	46618
GI	none	Score	.77
Exons	42965..43442, 44256..44362, 45998..46111, 46215..46394, 46531..46618		

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4244	Strand	-
Start	42965	End	46674
Name	OJ991113_30.9C10.C3.o6.tc	Method	TBLASTX:Cress
Start	44202	End	46403
GI	none	Score	161
Exons	44202..44396, 44210..44365, 45995..46114, 46002..46112, 46174..46383, 46188..46403		

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4244	Strand	-
Start	42965	End	46674
Name	OJ991113_30.9C10.C3.o11.tm	Method	TBLASTX:Maize
Start	44223	End	44378
GI	none	Score	181
Exons	44223..44378, 44224..44364, 44225..44365		

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4244	Strand	-
Start	42965	End	46674
Name	OJ991113_30.9C10.C3.o5.ts	Method	TBLASTX:Soybean
Start	44229	End	46397
GI	none	Score	154
Exons	44229..44396, 44237..44365, 44244..44378, 45995..46114, 45996..46112, 46188..46397, 46219..46395		

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4244	Strand	-
Start	42965	End	46674
Name	OJ991113_30.9C10.C3.o2.tw	Method	TBLASTX:Wheat
Start	44237	End	46391
GI	none	Score	69
Exons	44237..44350, 44237..44365, 44238..44363, 45995..46114, 45996..46112, 46174..46389, 46188..46391		

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4244	Strand	-
Start	42965	End	46674
Name	OJ991113_30.9C10.C3.o5.np	Method	AAT/NAP
Start	44240	End	46674
GI	3372233	Score	550
Exons	44240..44362, 45998..46111, 46215..46394, 46531..46674		
GI Descrip.	(AF019248) RNA polymerase I, II and III 24.3 kDa subunit [Arabidopsis thaliana]		

Seq. No.	2010	Seq. ID	OJ991113_30.9C10.C3
Gene No.	4244	Strand	-

Start	42965	End	46674
Name	OJ991113_30.9C10.C3.o8.tm	Method	TBLASTX:Maize
Start	46032	End	46407
GI	none	Score	74
Exons	46032..46109, 46037..46114, 46174..46407, 46191..46406		

Seq. No.	2011	Seq. ID	OJ991113_30.9C10.C4
Gene No.	4245	Strand	-
Start	1521	End	4113
Name	OJ991113_30.9C10.C4.o1.gs	Method	GENSCAN
Start	1521	End	4113
GI	none	Score	.62
Exons	1521..1995, 2001..2104, 2277..2456, 3070..3127, 3560..3860, 4005..4113		

Seq. No.	2012	Seq. ID	OJ991113_30.9C10.C5
Gene No.	4246	Strand	+
Start	395	End	1856
Name	OJ991113_30.9C10.C5.o1.gs	Method	GENSCAN
Start	395	End	1856
GI	none	Score	.6
Exons	395..556, 1527..1856		

Seq. No.	2012	Seq. ID	OJ991113_30.9C10.C5
Gene No.	4247	Strand	+
Start	6423	End	7005
Name	OJ991113_30.9C10.C5.o4.gs	Method	GENSCAN
Start	6423	End	7005
GI	none	Score	.48
Exons	6423..6538, 6566..6704, 6859..7005		

Seq. No.	2012	Seq. ID	OJ991113_30.9C10.C5
Gene No.	4248	Strand	+
Start	8804	End	15161
Name	OJ991113_30.9C10.C5.o5.gs	Method	GENSCAN
Start	8804	End	15161
GI	none	Score	.65
Exons	8804..9149, 9220..9671, 9747..9874, 10411..10525, 12312..12601, 12632..12770, 12939..13858, 13952..14080, 14190..14325, 14479..14567, 14663..14774, 14868..14974, 15065..15161		

Seq. No.	2012	Seq. ID	OJ991113_30.9C10.C5
Gene No.	4248	Strand	+
Start	8804	End	15161
Name	OJ991113_30.9C10.C5.o2.gp	Method	AAT/GAP
Start	12117	End	12587
GI	none	Score	929
Exons	12117..12587		

Seq. No.	2012	Seq. ID	OJ991113_30.9C10.C5
Gene No.	4248	Strand	+
Start	8804	End	15161
Name	OJ991113_30.9C10.C5.o1.np	Method	AAT/NAP
Start	12396	End	15158
GI	6382535	Score	1616
Exons	12396..13858, 13952..14080, 14190..14325, 14479..14567, 14663..14774, 14868..14974, 15065..15158		

GI Descrip. (AC011020) putative protein kinase [Arabidopsis thaliana]

Seq. No.	2012	Seq. ID	OJ991113_30.9C10.C5
Gene No.	4249	Strand	+
Start	17851	End	18740
Name	OJ991113_30.9C10.C5.o6.gs	Method	GENSCAN
Start	17851	End	18740
GI	none	Score	.77
Exons	17851..17898, 17921..18012, 18734..18740		

Seq. No.	2012	Seq. ID	OJ991113_30.9C10.C5
Gene No.	4250	Strand	+
Start	20307	End	24420
Name	OJ991113_30.9C10.C5.o7.gs	Method	GENSCAN
Start	20307	End	24420
GI	none	Score	.61
Exons	20307..20433, 21230..21650, 21737..21777, 23112..23139, 23429..23566, 23690..23865, 24020..24150, 24395..24420		

Seq. No.	2012	Seq. ID	OJ991113_30.9C10.C5
Gene No.	4251	Strand	-
Start	3807	End	4400
Name	OJ991113_30.9C10.C5.o2.gs	Method	GENSCAN
Start	3807	End	4400
GI	none	Score	.99
Exons	3807..4400		

Seq. No.	2012	Seq. ID	OJ991113_30.9C10.C5
Gene No.	4252	Strand	-
Start	5642	End	6042
Name	OJ991113_30.9C10.C5.o3.gs	Method	GENSCAN
Start	5642	End	5956
GI	none	Score	1
Exons	5642..5956		

Seq. No.	2012	Seq. ID	OJ991113_30.9C10.C5
Gene No.	4252	Strand	-
Start	5642	End	6042
Name	OJ991113_30.9C10.C5.o1.gp	Method	AAT/GAP
Start	5659	End	6042
GI	426778	Score	627
Exons	5659..6042		

Seq. No.	2012	Seq. ID	OJ991113_30.9C10.C5
Gene No.	4253	Strand	-
Start	15113	End	15574
Name	OJ991113_30.9C10.C5.o2.ts	Method	TBLASTX:Soybean
Start	483	End	784
GI	none	Score	41
Exons	483..548, 539..583, 543..581, 585..668, 586..678, 683..784, 703..783		

Seq. No.	2012	Seq. ID	OJ991113_30.9C10.C5
Gene No.	4253	Strand	-
Start	15113	End	15574
Name	OJ991113_30.9C10.C5.o2.tc	Method	TBLASTX:Cress
Start	504	End	784

GI	none	Score	35
Exons	504..539, 549..581, 585..677, 586..678, 682..783, 683..784		

Seq. No.	2012	Seq. ID	OJ991113_30.9C10.C5
Gene No.	4253	Strand	-
Start	15113	End	15574
Name	OJ991113_30.9C10.C5.o3.tm	Method	TBLASTX:Maize
Start	540	End	1916
GI	none	Score	48
Exons	540..581, 565..597, 585..650, 585..668, 586..678, 683..784, 694..783, 1806..1916		

Seq. No.	2012	Seq. ID	OJ991113_30.9C10.C5
Gene No.	4253	Strand	-
Start	15113	End	15574
Name	OJ991113_30.9C10.C5.o4.tm	Method	TBLASTX:Maize
Start	12588	End	12723
GI	none	Score	208
Exons	12588..12722, 12598..12723, 12599..12721		

Seq. No.	2012	Seq. ID	OJ991113_30.9C10.C5
Gene No.	4253	Strand	-
Start	15113	End	15574
Name	OJ991113_30.9C10.C5.o2.tm	Method	TBLASTX:Maize
Start	12726	End	13332
GI	none	Score	100
Exons	12726..12854, 12728..12898, 12728..12892, 12729..12902, 12936..13127, 12953..13021, 13049..13171, 13070..13183, 13071..13187, 13231..13332, 13231..13332		

Seq. No.	2012	Seq. ID	OJ991113_30.9C10.C5
Gene No.	4253	Strand	-
Start	15113	End	15574
Name	OJ991113_30.9C10.C5.o1.tm	Method	TBLASTX:Maize
Start	13414	End	15543
GI	none	Score	734
Exons	13414..13662, 13421..13858, 13422..13859, 13425..13865, 13427..13873, 13723..13875, 13949..14080, 13950..14081, 13950..14081, 13951..14082, 14187..14324, 14187..14324, 14188..14334, 14209..14334, 14463..14570, 14476..14568, 14476..14571, 14478..14570, 14663..14770, 14664..14774, 14664..14774, 14865..14975, 14867..14974, 14874..14975, 15055..15171, 15062..15181, 15063..15185, 15123..15182, 15125..15181, 15173..15229, 15209..15250, 15214..15246, 15232..15270, 15247..15273, 15251..15280, 15273..15338, 15275..15337, 15276..15338, 15277..15339, 15281..15340, 15344..15379, 15345..15368, 15346..15384, 15346..15378, 15397..15453, 15397..15453, 15407..15454, 15453..15536, 15454..15543, 15458..15532		

Seq. No.	2012	Seq. ID	OJ991113_30.9C10.C5
Gene No.	4253	Strand	-
Start	15113	End	15574
Name	OJ991113_30.9C10.C5.p1.ts	Method	TBLASTX:Soybean
Start	13429	End	14989
GI	none	Score	136
Exons	13429..13548, 13430..13600, 13446..13691, 13514..13666,		

13680..13865, 13686..13859, 13690..13860, 13949..14080,
13950..14081, 14178..14300, 14209..14298, 14472..14564,
14476..14565, 14664..14816, 14666..14779, 14667..14807,
14865..14930, 14866..14919, 14933..14989, 14934..14978

Seq. No.	2012	Seq. ID	OJ991113_30.9C10.C5
Gene No.	4253	Strand	-
Start	15113	End	15574
Name	OJ991113_30.9C10.C5.o1.tc	Method	TBLASTX:Cress
Start	13566	End	13802
GI	none	Score	330
Exons	13566..13778, 13568..13771, 13599..13772, 13720..13773, 13776..13802		

Seq. No.	2012	Seq. ID	OJ991113_30.9C10.C5
Gene No.	4253	Strand	-
Start	15113	End	15574
Name	OJ991113_30.9C10.C5.o1.tw	Method	TBLASTX:Wheat
Start	13635	End	14081
GI	none	Score	136
Exons	13635..13859, 13719..13901, 13950..14036, 14052..14081		

Seq. No.	2012	Seq. ID	OJ991113_30.9C10.C5
Gene No.	4253	Strand	-
Start	15113	End	15574
Name	OJ991113_30.9C10.C5.o3.tc	Method	TBLASTX:Cress
Start	13803	End	14568
GI	none	Score	87
Exons	13803..13859, 13803..13865, 13890..14081, 13949..14080, 13950..14081, 13951..14082, 14180..14263, 14187..14264, 14187..14318, 14209..14331, 14470..14568, 14478..14567		

Seq. No.	2012	Seq. ID	OJ991113_30.9C10.C5
Gene No.	4253	Strand	-
Start	15113	End	15574
Name	OJ991113_30.9C10.C5.o3.gp	Method	AAT/GAP
Start	15113	End	15574
GI	none	Score	887
Exons	15113..15574		

Seq. No.	2013	Seq. ID	OJ991113_30.9C10.C6
Gene No.	4254	Strand	+
Start	107	End	2373
Name	OJ991113_30.9C10.C6.o1.gs	Method	GENSCAN
Start	107	End	2373
GI	none	Score	.57
Exons	107..287, 1152..1251, 1551..1586, 2087..2373		

Seq. No.	2014	Seq. ID	OJ991113_30.9C10.C7
Gene No.	4255	Strand	+
Start	1	End	3041
Name	OJ991113_30.9C10.C7.o1.np	Method	AAT/NAP
Start	1	End	2112
GI	4467107	Score	1101
Exons	1..50, 742..2112		
GI Descrip.	(AL035538) putative protein [Arabidopsis thaliana]		

Seq. No.	2014	Seq. ID	OJ991113_30.9C10.C7
Gene No.	4255	Strand	+
Start	1	End	3041
Name	OJ991113_30.9C10.C7.o1.gs	Method	GENSCAN
Start	398	End	3041
GI	none	Score	.7
Exons	398..1807, 1822..2151, 2883..3041		

Seq. No.	2014	Seq. ID	OJ991113_30.9C10.C7
Gene No.	4256	Strand	-
Start	2915	End	4761
Name	OJ991113_30.9C10.C7.o2.np	Method	AAT/NAP
Start	2915	End	4761
GI	2190540	Score	581
Exons	2915..3135, 3620..3660, 3778..3836, 4558..4761		
GI Descrip.	(AC001229) Similar to Arabidopsis TFL1 (gb|U77674). [Arabidopsis thaliana] gi|4903012|dbj|BAA77838.1| (AB027504) FT [Arabidopsis thaliana] gi|6117978|gb|AAF03936.1|AF152096_1 (AF152096) flowering locus T [Arabidopsis thaliana]		

Seq. No.	2014	Seq. ID	OJ991113_30.9C10.C7
Gene No.	4257	Strand	-
Start	11059	End	13354
Name	OJ991113_30.9C10.C7.o1.tm	Method	TBLASTX:Maize
Start	381	End	11805
GI	none	Score	65
Exons	381..509, 635..688, 752..802, 803..1060, 1039..1344, 1040..1417, 1043..1126, 1057..1347, 1058..1345, 1157..1378, 1256..1648, 1327..1686, 1346..1825, 1346..1687, 1576..1824, 1628..1747, 1804..2187, 11611..11805		

Seq. No.	2014	Seq. ID	OJ991113_30.9C10.C7
Gene No.	4257	Strand	-
Start	11059	End	13354
Name	OJ991113_30.9C10.C7.o1.tc	Method	TBLASTX:Cress
Start	803	End	12363
GI	none	Score	124
Exons	803..1042, 809..982, 911..1045, 1040..1336, 1052..1348, 1157..1636, 1195..1287, 1207..1641, 1340..1417, 1355..1636, 1511..1750, 1643..1753, 11425..11589, 11611..11904, 12001..12159, 12079..12363		

Seq. No.	2014	Seq. ID	OJ991113_30.9C10.C7
Gene No.	4257	Strand	-
Start	11059	End	13354
Name	OJ991113_30.9C10.C7.o1.tw	Method	TBLASTX:Wheat
Start	803	End	12315
GI	none	Score	110
Exons	803..1039, 880..1071, 1033..1320, 1040..1420, 1310..1783, 1310..1780, 1324..1785, 1604..1723, 12079..12315		

Seq. No.	2014	Seq. ID	OJ991113_30.9C10.C7
Gene No.	4257	Strand	-
Start	11059	End	13354
Name	OJ991113_30.9C10.C7.o1.ts	Method	TBLASTX:Soybean
Start	1202	End	13155
GI	none	Score	107

Exons 1202..1507, 1250..1543, 1259..1411, 1553..1684, 10888..11097, 10957..11097, 11092..11211, 11092..11220, 11162..11200, 11230..11628, 11265..11327, 11290..11907, 11290..11604, 11290..11466, 11296..11505, 11297..11596, 11351..11605, 11353..11907, 11354..11698, 11356..11907, 11381..11614, 11395..11571, 11435..11575, 11473..11913, 11506..11688, 11668..11913, 11683..11922, 11749..11886, 11938..12441, 11974..12441, 11974..12165, 11974..12384, 11980..12021, 11995..12276, 12005..12295, 12013..12375, 12067..12222, 12568..12915, 12574..12861, 12580..12903, 12601..12894, 12697..12915, 12775..12894, 12961..13155

Seq. No.	2014	Seq. ID	OJ991113_30.9C10.C7
Gene No.	4257	Strand	-
Start	11059	End	13354
Name	OJ991113_30.9C10.C7.o3.ts	Method	TBLASTX:Soybean
Start	1691	End	2175
GI	none	Score	97
Exons	1691..1813, 1804..2175, 1945..2118		

Seq. No.	2014	Seq. ID	OJ991113_30.9C10.C7
Gene No.	4257	Strand	-
Start	11059	End	13354
Name	OJ991113_30.9C10.C7.o2.tc	Method	TBLASTX:Cress
Start	1775	End	2088
GI	none	Score	54
Exons	1775..1816, 1804..2088		

Seq. No.	2014	Seq. ID	OJ991113_30.9C10.C7
Gene No.	4257	Strand	-
Start	11059	End	13354
Name	OJ991113_30.9C10.C7.o2.tm	Method	TBLASTX:Maize
Start	2784	End	3170
GI	none	Score	167
Exons	2784..2906, 2899..3126, 2906..3166, 2907..3170, 2907..3167		

Seq. No.	2014	Seq. ID	OJ991113_30.9C10.C7
Gene No.	4257	Strand	-
Start	11059	End	13354
Name	OJ991113_30.9C10.C7.o2.ts	Method	TBLASTX:Soybean
Start	2883	End	3145
GI	none	Score	125
Exons	2883..3125, 2918..3139, 2918..3145, 2922..3143		

Seq. No.	2014	Seq. ID	OJ991113_30.9C10.C7
Gene No.	4257	Strand	-
Start	11059	End	13354
Name	OJ991113_30.9C10.C7.o4.tm	Method	TBLASTX:Maize
Start	3618	End	4765
GI	none	Score	41
Exons	3618..3659, 3623..3661, 3623..3664, 3624..3665, 3776..3835, 3777..3836, 3777..3836, 3778..3840, 4546..4752, 4547..4753, 4574..4765		

Seq. No.	2014	Seq. ID	OJ991113_30.9C10.C7
Gene No.	4257	Strand	-
Start	11059	End	13354

Name	OJ991113_30.9C10.C7.o4.ts	Method	TBLASTX:Soybean
Start	3621	End	4749
GI	none	Score	45
Exons	3621..3659, 3624..3665, 3777..3833, 3778..3834, 4546..4749, 4562..4747		

Seq. No.	2014	Seq. ID	OJ991113_30.9C10.C7
Gene No.	4257	Strand	-
Start	11059	End	13354
Name	OJ991113_30.9C10.C7.o3.tm	Method	TBLASTX:Maize
Start	10882	End	13176
GI	none	Score	72
Exons	10882..11043, 10888..11073, 11242..11607, 11290..11601, 11296..11607, 11341..11595, 11354..11584, 11806..11922, 11809..11907, 11809..11907, 11821..11907, 11938..12375, 11968..12528, 11995..12429, 12016..12528, 12152..12433, 12181..12432, 12547..12801, 12553..12882, 12565..12918, 12601..12954, 12602..12913, 12931..13107, 12934..13176		

Seq. No.	2014	Seq. ID	OJ991113_30.9C10.C7
Gene No.	4257	Strand	-
Start	11059	End	13354
Name	OJ991113_30.9C10.C7.o3.np	Method	AAT/NAP
Start	11059	End	13206
GI	4836917	Score	603
Exons	11059..11907, 11956..12446, 13086..13206		
GI Descrip.	(AC007153) 80099 [Arabidopsis thaliana]		

Seq. No.	2014	Seq. ID	OJ991113_30.9C10.C7
Gene No.	4257	Strand	-
Start	11059	End	13354
Name	OJ991113_30.9C10.C7.o4.np	Method	AAT/NAP
Start	11524	End	13354
GI	4335729	Score	503
Exons	11524..11925, 11974..12437, 12561..12865, 12962..13213, 13321..13354		
GI Descrip.	(AC006248) putative salt-inducible protein [Arabidopsis thaliana]		

Seq. No.	2015	Seq. ID	OJ991113_30.9C10.C8
Gene No.	4258	Strand	+
Start	230	End	1879
Name	OJ991113_30.9C10.C8.o1.gs	Method	GENSCAN
Start	230	End	1879
GI	none	Score	.61
Exons	230..273, 383..495, 677..766, 1396..1879		

Seq. No.	2015	Seq. ID	OJ991113_30.9C10.C8
Gene No.	4258	Strand	+
Start	230	End	1879
Name	OJ991113_30.9C10.C8.o1.np	Method	AAT/NAP
Start	1243	End	1876
GI	1723324	Score	123
Exons	1243..1324, 1638..1876		
GI Descrip.	HYPOTHETICAL 11.9 KD PROTEIN YCF20 (ORF108) gi|2147520|pir||S73135 hypothetical protein 20 - Porphyra purpurea chloroplast gi|1276680 (U38804) hypothetical		

chloroplast ORF 20. [Porphyra purpurea]

Seq. No.	2015	Seq. ID	OJ991113_30.9C10.C8
Gene No.	4259	Strand	+
Start	6733	End	9791
Name	OJ991113_30.9C10.C8.o1.tw	Method	TBLASTX:Wheat
Start	1406	End	1745
GI	none	Score	416
Exons	1406..1744, 1411..1461, 1413..1583, 1516..1743, 1611..1745		

Seq. No.	2015	Seq. ID	OJ991113_30.9C10.C8
Gene No.	4259	Strand	+
Start	6733	End	9791
Name	OJ991113_30.9C10.C8.o1.tc	Method	TBLASTX:Cress
Start	1565	End	1881
GI	none	Score	472
Exons	1565..1879, 1567..1875, 1586..1876, 1771..1881		

Seq. No.	2015	Seq. ID	OJ991113_30.9C10.C8
Gene No.	4259	Strand	+
Start	6733	End	9791
Name	OJ991113_30.9C10.C8.o2.gs	Method	GENSCAN
Start	6733	End	9791
GI	none	Score	.8
Exons	6733..6815, 7088..7123, 8302..8603, 9403..9509, 9660..9791		

Seq. No.	2016	Seq. ID	OJ991113_30.9C10.C9
Gene No.	4260	Strand	+
Start	3965	End	9660
Name	OJ991113_30.9C10.C9.o2.np	Method	AAT/NAP
Start	3965	End	9660
GI	6587849	Score	457
Exons	3965..4030, 6980..8448, 9627..9660		
GI Descrip.	(AC006551) Very similar to retrotransposon reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	2016	Seq. ID	OJ991113_30.9C10.C9
Gene No.	4260	Strand	+
Start	3965	End	9660
Name	OJ991113_30.9C10.C9.o3.gs	Method	GENSCAN
Start	7059	End	8683
GI	none	Score	.97
Exons	7059..8090, 8246..8683		

Seq. No.	2016	Seq. ID	OJ991113_30.9C10.C9
Gene No.	4261	Strand	+
Start	18276	End	18812
Name	OJ991113_30.9C10.C9.o2.gp	Method	AAT/GAP
Start	18276	End	18812
GI	none	Score	1026
Exons	18276..18812		

Seq. No.	2016	Seq. ID	OJ991113_30.9C10.C9
Gene No.	4262	Strand	-
Start	3580	End	6776
Name	OJ991113_30.9C10.C9.o2.gs	Method	GENSCAN
Start	3580	End	6776

GI	none	Score	.98
Exons	3580..4558, 4672..5400, 5522..5653, 6703..6776		

Seq. No.	2016	Seq. ID	OJ991113_30.9C10.C9
Gene No.	4262	Strand	-
Start	3580	End	6776
Name	OJ991113_30.9C10.C9.o1.np	Method	AAT/NAP
Start	3679	End	5072
GI	5123941	Score	855
Exons	3679..4277, 4402..4558, 4672..5072		
GI Descrip.	(AL079349) putative protein [Arabidopsis thaliana]		

Seq. No.	2016	Seq. ID	OJ991113_30.9C10.C9
Gene No.	4262	Strand	-
Start	3580	End	6776
Name	OJ991113_30.9C10.C9.o1.gp	Method	AAT/GAP
Start	4792	End	5188
GI	none	Score	775
Exons	4792..5188		

Seq. No.	2016	Seq. ID	OJ991113_30.9C10.C9
Gene No.	4263	Strand	-
Start	9798	End	20731
Name	OJ991113_30.9C10.C9.o1.ts	Method	TBLASTX:Soybean
Start	3799	End	4533
GI	none	Score	143
Exons	3799..3870, 3868..4140, 3886..4125, 3926..4129, 4417..4533, 4427..4510		

Seq. No.	2016	Seq. ID	OJ991113_30.9C10.C9
Gene No.	4263	Strand	-
Start	9798	End	20731
Name	OJ991113_30.9C10.C9.o2.tm	Method	TBLASTX:Maize
Start	3799	End	4122
GI	none	Score	41
Exons	3799..3870, 3821..3871, 3859..3921, 3931..4122, 3940..4119		

Seq. No.	2016	Seq. ID	OJ991113_30.9C10.C9
Gene No.	4263	Strand	-
Start	9798	End	20731
Name	OJ991113_30.9C10.C9.o1.tc	Method	TBLASTX:Cress
Start	3814	End	4850
GI	none	Score	118
Exons	3814..3870, 3859..3918, 3934..4125, 3952..4131, 3971..4132, 4426..4581, 4427..4513, 4668..4850		

Seq. No.	2016	Seq. ID	OJ991113_30.9C10.C9
Gene No.	4263	Strand	-
Start	9798	End	20731
Name	OJ991113_30.9C10.C9.o3.tw	Method	TBLASTX:Wheat
Start	3823	End	4101
GI	none	Score	47
Exons	3823..3921, 3847..3915, 3862..3954, 3949..4101, 3950..4096		

Seq. No.	2016	Seq. ID	OJ991113_30.9C10.C9
Gene No.	4263	Strand	-
Start	9798	End	20731

Name	OJ991113_30.9C10.C9.o3.tm	Method	TBLASTX:Maize
Start	4420	End	4838
GI	none	Score	125
Exons	4420..4557, 4427..4522, 4668..4838		

Seq. No.	2016	Seq. ID	OJ991113_30.9C10.C9
Gene No.	4263	Strand	-
Start	9798	End	20731
Name	OJ991113_30.9C10.C9.o2.ts	Method	TBLASTX:Soybean
Start	4668	End	5028
GI	none	Score	63
Exons	4668..4727, 4668..4856, 4669..4842, 4965..5027, 4965..5021, 4966..5028		

Seq. No.	2016	Seq. ID	OJ991113_30.9C10.C9
Gene No.	4263	Strand	-
Start	9798	End	20731
Name	OJ991113_30.9C10.C9.o1.tw	Method	TBLASTX:Wheat
Start	6972	End	7244
GI	none	Score	292
Exons	6972..7211, 6978..7244		

Seq. No.	2016	Seq. ID	OJ991113_30.9C10.C9
Gene No.	4263	Strand	-
Start	9798	End	20731
Name	OJ991113_30.9C10.C9.o3.ts	Method	TBLASTX:Soybean
Start	6978	End	7328
GI	none	Score	175
Exons	6978..7178, 7272..7328		

Seq. No.	2016	Seq. ID	OJ991113_30.9C10.C9
Gene No.	4263	Strand	-
Start	9798	End	20731
Name	OJ991113_30.9C10.C9.o5.tm	Method	TBLASTX:Maize
Start	6984	End	7205
GI	none	Score	193
Exons	6984..7205, 7037..7192		

Seq. No.	2016	Seq. ID	OJ991113_30.9C10.C9
Gene No.	4263	Strand	-
Start	9798	End	20731
Name	OJ991113_30.9C10.C9.o2.tw	Method	TBLASTX:Wheat
Start	7631	End	7996
GI	none	Score	274
Exons	7631..7819, 7632..7940, 7895..7996		

Seq. No.	2016	Seq. ID	OJ991113_30.9C10.C9
Gene No.	4263	Strand	-
Start	9798	End	20731
Name	OJ991113_30.9C10.C9.o4.gs	Method	GENSCAN
Start	9798	End	20591
GI	none	Score	.74
Exons	9798..9915, 10416..10567, 11160..11354, 11481..11546, 13691..13853, 14791..14869, 15429..15805, 16605..16682, 19800..20223, 20419..20591		

Seq. No.	2016	Seq. ID	OJ991113_30.9C10.C9

Gene No.	4263	Strand	-
Start	9798	End	20731
Name	OJ991113_30.9C10.C9.o5.np	Method	AAT/NAP
Start	18775	End	20731
GI	6850324	Score	204
Exons	18775..18994, 19800..19992, 20158..20332, 20395..20731		
GI Descrip.	(AC009999) Contains similarity to CGI-141 protein from Homo sapiens gb|AF151899. ESTs gb|AI992525, gb|AA042356 come from this gene. [Arabidopsis thaliana]		

Seq. No.	2016	Seq. ID	OJ991113_30.9C10.C9
Gene No.	4263	Strand	-
Start	9798	End	20731
Name	OJ991113_30.9C10.C9.o3.gp	Method	AAT/GAP
Start	18901	End	20094
GI	none	Score	717
Exons	18901..18994, 19800..20094		

Seq. No.	2016	Seq. ID	OJ991113_30.9C10.C9
Gene No.	4263	Strand	-
Start	9798	End	20731
Name	OJ991113_30.9C10.C9.o1.tm	Method	TBLASTX:Maize
Start	18906	End	20169
GI	none	Score	307
Exons	18906..18926, 18955..19005, 19790..20068, 19797..20087, 19797..20045, 19798..20097, 19799..20098, 19849..20100, 20100..20168, 20101..20169, 20103..20168		

Seq. No.	2016	Seq. ID	OJ991113_30.9C10.C9
Gene No.	4263	Strand	-
Start	9798	End	20731
Name	OJ991113_30.9C10.C9.o4.tm	Method	TBLASTX:Maize
Start	20396	End	20591
GI	none	Score	226
Exons	20396..20587, 20398..20580, 20400..20591		

Seq. No.	2017	Seq. ID	OJ991113_30.9C10.C11
Gene No.	4264	Strand	-
Start	1	End	1206
Name	OJ991113_30.9C10.C11.o1.np	Method	AAT/NAP
Start	1	End	1206
GI	6850324	Score	137
Exons	1..136, 339..396, 1176..1206		
GI Descrip.	(AC009999) Contains similarity to CGI-141 protein from Homo sapiens gb|AF151899. ESTs gb|AI992525, gb|AA042356 come from this gene. [Arabidopsis thaliana]		

Seq. No.	2018	Seq. ID	OJ991113_30.9C10.C12
Gene No.	4265	Strand	-
Start	1	End	7068
Name	OJ991113_30.9C10.C12.o1.np	Method	AAT/NAP
Start	1	End	7068
GI	6850324	Score	718
Exons	1..78, 809..914, 1161..1252, 1332..1453, 2274..2374, 2487..2654, 2974..3140, 7038..7068		
GI Descrip.	(AC009999) Contains similarity to CGI-141 protein from Homo sapiens gb|AF151899. ESTs gb|AI992525, gb|AA042356 come from		

this gene. [Arabidopsis thaliana]

Seq. No.	2018	Seq. ID	OJ991113_30.9C10.C12
Gene No.	4265	Strand	-
Start	1	End	7068
Name	OJ991113_30.9C10.C12.o1.gs	Method	GENSCAN
Start	334	End	4414
GI	none	Score	.94
Exons	334..372, 809..914, 3003..3141, 4058..4414		

Seq. No.	2018	Seq. ID	OJ991113_30.9C10.C12
Gene No.	4265	Strand	-
Start	1	End	7068
Name	OJ991113_30.9C10.C12.o1.gp	Method	AAT/GAP
Start	1332	End	2541
GI	none	Score	523
Exons	1332..1453, 2274..2374, 2460..2541		

Seq. No.	2018	Seq. ID	OJ991113_30.9C10.C12
Gene No.	4265	Strand	-
Start	1	End	7068
Name	OJ991113_30.9C10.C12.o2.gp	Method	AAT/GAP
Start	2619	End	4342
GI	none	Score	922
Exons	2619..2679, 3003..3141, 4058..4342		

Seq. No.	2018	Seq. ID	OJ991113_30.9C10.C12
Gene No.	4265	Strand	-
Start	1	End	7068
Name	OJ991113_30.9C10.C12.o2.np	Method	AAT/NAP
Start	4445	End	4723
GI	2231329	Score	94
Exons	4445..4723		
GI Descrip.	(U77049) bactinecin 11 [Ovis aries]		

Seq. No.	2018	Seq. ID	OJ991113_30.9C10.C12
Gene No.	4266	Strand	-
Start	7507	End	8249
Name	OJ991113_30.9C10.C12.o1.tm	Method	TBLASTX:Maize
Start	2272	End	2694
GI	none	Score	148
Exons	2272..2367, 2273..2368, 2433..2684, 2451..2687, 2459..2686, 2461..2694		

Seq. No.	2018	Seq. ID	OJ991113_30.9C10.C12
Gene No.	4266	Strand	-
Start	7507	End	8249
Name	OJ991113_30.9C10.C12.o2.gs	Method	GENSCAN
Start	7507	End	8249
GI	none	Score	.55
Exons	7507..7578, 8087..8249		

Seq. No.	2019	Seq. ID	OJ991113_30.9C10.C13
Gene No.	4267	Strand	+
Start	1	End	4802
Name	OJ991113_30.9C10.C13.o1.np	Method	AAT/NAP
Start	1	End	3250

GI	5917664	Score	62
Exons	1..183, 1667..1697, 2364..2481, 3192..3250		
GI Descrip.	(AF159296) extensin-like protein [Lycopersicon esculentum]		

Seq. No.	2019	Seq. ID	OJ991113_30.9C10.C13
Gene No.	4267	Strand	+
Start	1	End	4802
Name	OJ991113_30.9C10.C13.o1.gs	Method	GENSCAN
Start	41	End	4802
GI	none	Score	.51
Exons	41..304, 1518..1539, 1699..1777, 2585..2812, 3225..3399, 3708..3812, 4655..4802		

Seq. No.	2019	Seq. ID	OJ991113_30.9C10.C13
Gene No.	4267	Strand	+
Start	1	End	4802
Name	OJ991113_30.9C10.C13.o2.np	Method	AAT/NAP
Start	3262	End	4709
GI	6907088	Score	1080
Exons	3262..3399, 3575..3812, 4312..4709		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	2019	Seq. ID	OJ991113_30.9C10.C13
Gene No.	4268	Strand	-
Start	2445	End	2916
Name	OJ991113_30.9C10.C13.o1.gp	Method	AAT/GAP
Start	2445	End	2916
GI	38782_1.R1084	Score	786
Exons	2445..2916		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	2020	Seq. ID	OJ990703_47.9C16.C1
Gene No.	4269	Strand	+
Start	1092	End	1269
Name	OJ990703_47.9C16.C1.o1.gs	Method	GENSCAN
Start	1092	End	1269
GI	none	Score	.95
Exons	1092..1269		

Seq. No.	2021	Seq. ID	OJ990703_47.9C16.C2
Gene No.	4270	Strand	-
Start	2406	End	3707
Name	OJ990703_47.9C16.C2.o1.gs	Method	GENSCAN
Start	2406	End	3707
GI	none	Score	.71
Exons	2406..2541, 3685..3707		

Seq. No.	2022	Seq. ID	OJ990703_47.9C16.C3
Gene No.	4271	Strand	+
Start	1	End	1839
Name	OJ990703_47.9C16.C3.o1.np	Method	AAT/NAP
Start	1	End	1839
GI	5852093	Score	86
Exons	1..92, 1819..1839		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	2022	Seq. ID	OJ990703_47.9C16.C3
Gene No.	4272	Strand	+
Start	14750	End	15232
Name	OJ990703_47.9C16.C3.o3.np	Method	AAT/NAP
Start	14750	End	15232
GI	6686396	Score	347
Exons	14750..15232		
GI Descrip.	(AC007234) F1E22.10 [Arabidopsis thaliana]		

Seq. No.	2022	Seq. ID	OJ990703_47.9C16.C3
Gene No.	4273	Strand	+
Start	16423	End	21350
Name	OJ990703_47.9C16.C3.o3.gs	Method	GENSCAN
Start	16423	End	21350
GI	none	Score	.84
Exons	16423..16437, 17156..17299, 18122..18241, 18814..19009, 19261..19359, 19817..19868, 20087..20223, 20305..20405, 20497..20555, 20901..20946, 21075..21154, 21260..21350		

Seq. No.	2022	Seq. ID	OJ990703_47.9C16.C3
Gene No.	4273	Strand	+
Start	16423	End	21350
Name	OJ990703_47.9C16.C3.o2.gp	Method	AAT/GAP
Start	17165	End	19008
GI	LIB3477-009-P1-K1-F8	Score	811
Exons	17165..17402, 18814..19008		
GI Descrip.	'5302799/emb|CAB46041.1| 7.0e-15 (Z97341) gibberellin oxidase-like protein [Arabidopsis thaliana]'		

Seq. No.	2022	Seq. ID	OJ990703_47.9C16.C3
Gene No.	4273	Strand	+
Start	16423	End	21350
Name	OJ990703_47.9C16.C3.o4.np	Method	AAT/NAP
Start	17295	End	21155
GI	6523052	Score	738
Exons	17295..17402, 18814..19009, 19261..19359, 19817..19868, 20087..20211, 20311..20405, 20497..20555, 20710..20766, 20901..20946, 21075..21155		
GI Descrip.	(AL133314) putative protein [Arabidopsis thaliana]		

Seq. No.	2022	Seq. ID	OJ990703_47.9C16.C3
Gene No.	4273	Strand	+
Start	16423	End	21350
Name	OJ990703_47.9C16.C3.o3.gp	Method	AAT/GAP
Start	19963	End	20298
GI	LIB3432-018-P1-K1-G11	Score	629
Exons	19963..20298		
GI Descrip.	'3819376/emb|AJ234593.1|HVU234593 2.0e-11 Hordeum vulgare genomic DNA fragment; clone MWG0852.uni'		

Seq. No.	2022	Seq. ID	OJ990703_47.9C16.C3
Gene No.	4274	Strand	+
Start	21305	End	21534
Name	OJ990703_47.9C16.C3.o4.gp	Method	AAT/GAP
Start	21305	End	21534
GI	3760290	Score	433
Exons	21305..21534		

Seq. No.	2022	Seq. ID	OJ990703_47.9C16.C3
Gene No.	4275	Strand	-
Start	2655	End	13425
Name	OJ990703_47.9C16.C3.o1.gs	Method	GENSCAN
Start	2655	End	13425
GI	none	Score	.47
Exons	2655..2727, 3938..4135, 4582..4675, 5521..5941, 6071..6279, 8736..9028, 9066..9289, 10245..10268, 13354..13425		

Seq. No.	2022	Seq. ID	OJ990703_47.9C16.C3
Gene No.	4275	Strand	-
Start	2655	End	13425
Name	OJ990703_47.9C16.C3.o2.np	Method	AAT/NAP
Start	5372	End	9054
GI	2062176	Score	568
Exons	5372..5894, 6069..6279, 8736..9054		
GI Descrip.	(AC001645) Myb-related transcription activator (MybSt1) isolog [Arabidopsis thaliana]		

Seq. No.	2022	Seq. ID	OJ990703_47.9C16.C3
Gene No.	4275	Strand	-
Start	2655	End	13425
Name	OJ990703_47.9C16.C3.o1.gp	Method	AAT/GAP
Start	8912	End	9150
GI	2431150	Score	425
Exons	8912..9150		
GI Descrip.	3819376/emb|AJ234593.1|HVU234593 2.0e-11 Hordeum vulgare genomic DNA fragment; clone MWG0852.uni		

Seq. No.	2022	Seq. ID	OJ990703_47.9C16.C3
Gene No.	4276	Strand	-
Start	14723	End	15661
Name	OJ990703_47.9C16.C3.o2.gs	Method	GENSCAN
Start	14723	End	15661
GI	none	Score	.83
Exons	14723..15333, 15586..15661		

Seq. No.	2022	Seq. ID	OJ990703_47.9C16.C3
Gene No.	4277	Strand	-
Start	22477	End	24399
Name	OJ990703_47.9C16.C3.o2.ts	Method	TBLASTX:Soybean
Start	5358	End	9057
GI	none	Score	58
Exons	5358..5453, 5369..5455, 5465..5554, 5481..5561, 5547..5663, 5561..5626, 5645..5683, 6071..6271, 6071..6280, 6072..6281, 6076..6282, 6184..6282, 8734..8790, 8941..8967, 8992..9057, 8993..9055		

Seq. No.	2022	Seq. ID	OJ990703_47.9C16.C3
Gene No.	4277	Strand	-
Start	22477	End	24399
Name	OJ990703_47.9C16.C3.o1.tc	Method	TBLASTX:Cress
Start	5405	End	6281
GI	none	Score	69
Exons	5405..5554, 5427..5564, 5561..5608, 5645..5707, 6068..6208, 6069..6206, 6080..6211, 6212..6280, 6213..6281		

Seq. No.	2022	Seq. ID	OJ990703_47.9C16.C3
Gene No.	4277	Strand	-
Start	22477	End	24399
Name	OJ990703_47.9C16.C3.o2.tm	Method	TBLASTX:Maize
Start	5426	End	9055
GI	none	Score	250
Exons	5426..5452, 5489..5554, 5561..5608, 6074..6280, 6075..6281, 6080..6298, 6082..6288, 8941..8967, 8992..9054, 8993..9055		

Seq. No.	2022	Seq. ID	OJ990703_47.9C16.C3
Gene No.	4277	Strand	-
Start	22477	End	24399
Name	OJ990703_47.9C16.C3.o1.tw	Method	TBLASTX:Wheat
Start	6074	End	6282
GI	none	Score	135
Exons	6074..6280, 6080..6271, 6081..6281, 6148..6282		

Seq. No.	2022	Seq. ID	OJ990703_47.9C16.C3
Gene No.	4277	Strand	-
Start	22477	End	24399
Name	OJ990703_47.9C16.C3.o1.tm	Method	TBLASTX:Maize
Start	14732	End	15255
GI	none	Score	352
Exons	14732..15070, 14741..15217, 14929..15255		

Seq. No.	2022	Seq. ID	OJ990703_47.9C16.C3
Gene No.	4277	Strand	-
Start	22477	End	24399
Name	OJ990703_47.9C16.C3.o1.ts	Method	TBLASTX:Soybean
Start	14750	End	15232
GI	none	Score	345
Exons	14750..15232, 14950..15183		

Seq. No.	2022	Seq. ID	OJ990703_47.9C16.C3
Gene No.	4277	Strand	-
Start	22477	End	24399
Name	OJ990703_47.9C16.C3.o3.tc	Method	TBLASTX:Cress
Start	14927	End	15243
GI	none	Score	72
Exons	14927..15019, 15013..15243, 15026..15214		

Seq. No.	2022	Seq. ID	OJ990703_47.9C16.C3
Gene No.	4277	Strand	-
Start	22477	End	24399
Name	OJ990703_47.9C16.C3.o3.ts	Method	TBLASTX:Soybean
Start	17343	End	21350
GI	none	Score	66
Exons	17343..17417, 18800..18946, 18811..19023, 18813..19010, 18814..19014, 19260..19355, 19260..19349, 19816..19869, 20079..20210, 20097..20210, 20283..20408, 20303..20401, 20482..20541, 20491..20556, 20496..20555, 20714..20767, 20899..20958, 21074..21151, 21075..21155, 21250..21330, 21252..21350		

Seq. No.	2022	Seq. ID	OJ990703_47.9C16.C3
Gene No.	4277	Strand	-

Start	22477	End	24399
Name	OJ990703_47.9C16.C3.o2.tc	Method	TBLASTX:Cress
Start	18770	End	20939
GI	none	Score	83
Exons	18770..18913, 18809..18913, 18811..19047, 18813..19010, 18814..19017, 19257..19352, 19813..19869, 20070..20210, 20310..20408, 20318..20404, 20491..20556, 20496..20555, 20696..20767, 20716..20769, 20895..20939		

Seq. No.	2022	Seq. ID	OJ990703_47.9C16.C3
Gene No.	4277	Strand	-
Start	22477	End	24399
Name	OJ990703_47.9C16.C3.o3.tm	Method	TBLASTX:Maize
Start	18846	End	20408
GI	none	Score	186
Exons	18846..19013, 18847..19014, 18847..19017, 19237..19350, 19257..19355, 19260..19349, 19261..19350, 19310..19366, 19815..19874, 19816..19869, 20070..20210, 20091..20210, 20140..20211, 20143..20211, 20283..20408, 20285..20404, 20304..20408		

Seq. No.	2022	Seq. ID	OJ990703_47.9C16.C3
Gene No.	4277	Strand	-
Start	22477	End	24399
Name	OJ990703_47.9C16.C3.o4.tm	Method	TBLASTX:Maize
Start	20491	End	21350
GI	none	Score	111
Exons	20491..20556, 20496..20555, 20501..20560, 20708..20755, 20711..20770, 20895..20954, 20899..20940, 21074..21154, 21075..21155, 21085..21156, 21094..21216, 21200..21322, 21250..21348, 21252..21350		

Seq. No.	2022	Seq. ID	OJ990703_47.9C16.C3
Gene No.	4277	Strand	-
Start	22477	End	24399
Name	OJ990703_47.9C16.C3.o4.gs	Method	GENSCAN
Start	22477	End	24275
GI	none	Score	.46
Exons	22477..23026, 23250..24275		

Seq. No.	2022	Seq. ID	OJ990703_47.9C16.C3
Gene No.	4277	Strand	-
Start	22477	End	24399
Name	OJ990703_47.9C16.C3.o5.np	Method	AAT/NAP
Start	22486	End	24399
GI	2827660	Score	396
Exons	22486..23026, 23250..23805, 23836..24083, 24117..24399		
GI Descrip.	(AL021637) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2022	Seq. ID	OJ990703_47.9C16.C3
Gene No.	4277	Strand	-
Start	22477	End	24399
Name	OJ990703_47.9C16.C3.o5.tm	Method	TBLASTX:Maize
Start	22804	End	23040
GI	none	Score	153
Exons	22804..22842, 22817..23026, 22864..23040		

Seq. No.	2023	Seq. ID	OJ990703_47.9C16.C4
Gene No.	4278	Strand	+
Start	12890	End	15691
Name	OJ990703_47.9C16.C4.o3.gs	Method	GENSCAN
Start	12890	End	15691
GI	none	Score	.42
Exons	12890..13120, 14217..14371, 15219..15264, 15455..15691		

Seq. No.	2023	Seq. ID	OJ990703_47.9C16.C4
Gene No.	4279	Strand	+
Start	23561	End	24903
Name	OJ990703_47.9C16.C4.o5.gs	Method	GENSCAN
Start	23561	End	24903
GI	none	Score	.79
Exons	23561..23581, 24209..24330, 24485..24672, 24752..24903		

Seq. No.	2023	Seq. ID	OJ990703_47.9C16.C4
Gene No.	4280	Strand	+
Start	25815	End	27249
Name	OJ990703_47.9C16.C4.o6.gs	Method	GENSCAN
Start	25815	End	27249
GI	none	Score	.63
Exons	25815..26116, 26205..26561, 27201..27249		

Seq. No.	2023	Seq. ID	OJ990703_47.9C16.C4
Gene No.	4281	Strand	-
Start	41	End	4692
Name	OJ990703_47.9C16.C4.o1.gs	Method	GENSCAN
Start	41	End	4692
GI	none	Score	.6
Exons	41..340, 807..869, 1464..1619, 2699..3138, 3232..3405, 4371..4692		

Seq. No.	2023	Seq. ID	OJ990703_47.9C16.C4
Gene No.	4282	Strand	-
Start	5041	End	10341
Name	OJ990703_47.9C16.C4.o1.gp	Method	AAT/GAP
Start	5041	End	10341
GI	543_1.R1084	Score	4297
Exons	5041..5377, 5470..5598, 5691..5781, 5873..5947, 6130..6207, 6299..6388, 6512..6610, 6704..6757, 6854..6901, 7002..7100, 7228..7311, 7420..7491, 7582..7677, 7781..7846, 7917..8022, 8119..8270, 8403..8477, 8561..8681, 9737..9978, 10097..10341		
GI Descrip.	'1170871/sp|P43279|MAOC_ORYSA 0.0e+00 MALATE OXIDOREDUCTASE, CHLOROPLAST PRECURSOR (MALIC ENZYME) (ME) (NADP-DEPENDENT MALIC ENZYME) (NADP-ME) >gi_1076749_pir__S46499 NADP-dependent malic enzyme - rice >gi_415315_dbj_BAA03949_ (D16499) NADP-dependent malic enzyme [Oryza sativa]'		

Seq. No.	2023	Seq. ID	OJ990703_47.9C16.C4
Gene No.	4282	Strand	-
Start	5041	End	10341
Name	OJ990703_47.9C16.C4.o2.gs	Method	GENSCAN
Start	5289	End	10150
GI	none	Score	.85
Exons	5289..5377, 5470..5598, 5691..5781, 5873..5947, 6130..6207, 6299..6388, 6512..6610, 6704..6757, 6854..6901, 7002..7100,		

7228..7311, 7420..7491, 7582..7677, 7781..7846, 7917..8022,
8119..8270, 8403..8477, 8561..8681, 9737..9978, 10097..10150

Seq. No.	2023	Seq. ID	OJ990703_47.9C16.C4
Gene No.	4282	Strand	-
Start	5041	End	10341
Name	OJ990703_47.9C16.C4.o2.np	Method	AAT/NAP
Start	5292	End	10150
GI	1170871	Score	2656
Exons	5292..5377, 5470..5598, 5691..5781, 5873..5947, 6130..6207, 6299..6388, 6512..6610, 6704..6757, 6854..6901, 7002..7100, 7228..7311, 7420..7491, 7582..7677, 7781..7846, 7917..8022, 8119..8270, 8403..8477, 8561..8681, 9737..9978, 10097..10150		
GI Descrip.	NADP-DEPENDENT MALIC ENZYME, CHLOROPLAST PRECURSOR (NADP-ME) gi|1076749|pir||S46499 NADP-dependent malic enzyme - rice gi|415315|dbj|BAA03949| (D16499) NADP-dependent malic enzyme [Oryza sativa]		

Seq. No.	2023	Seq. ID	OJ990703_47.9C16.C4
Gene No.	4283	Strand	-
Start	16561	End	22347
Name	OJ990703_47.9C16.C4.o4.gs	Method	GENSCAN
Start	16561	End	22347
GI	none	Score	.66
Exons	16561..16696, 17914..17969, 18022..18077, 19746..19806, 19989..20016, 20201..20252, 20808..22347		

Seq. No.	2023	Seq. ID	OJ990703_47.9C16.C4
Gene No.	4283	Strand	-
Start	16561	End	22347
Name	OJ990703_47.9C16.C4.o2.gp	Method	AAT/GAP
Start	20906	End	21177
GI	none	Score	482
Exons	20906..21177		

Seq. No.	2023	Seq. ID	OJ990703_47.9C16.C4
Gene No.	4284	Strand	-
Start	26446	End	33251
Name	OJ990703_47.9C16.C4.o2.tc	Method	TBLASTX:Cress
Start	5139	End	5966
GI	none	Score	43
Exons	5139..5159, 5231..5374, 5258..5374, 5274..5378, 5275..5379, 5283..5378, 5308..5382, 5453..5599, 5470..5589, 5675..5785, 5676..5801, 5686..5784, 5873..5950, 5877..5948, 5880..5966, 5881..5964		

Seq. No.	2023	Seq. ID	OJ990703_47.9C16.C4
Gene No.	4284	Strand	-
Start	26446	End	33251
Name	OJ990703_47.9C16.C4.o1.tm	Method	TBLASTX:Maize
Start	5161	End	8694
GI	none	Score	48
Exons	5161..5232, 5168..5188, 5245..5274, 5258..5374, 5276..5374, 5283..5378, 5289..5378, 5290..5379, 5308..5382, 5453..5599, 5469..5567, 5470..5598, 5690..5785, 5692..5784, 5699..5785, 5873..5950, 5877..5948, 5883..5966, 5896..5949, 6113..6199, 6130..6210, 6134..6205, 6299..6388, 6300..6389, 6306..6389,		

6512..6568, 6516..6566, 6517..6582, 6563..6610, 6696..6761,
6697..6750, 6704..6781, 6705..6758, 6855..6902, 6855..6902,
6856..6903, 6994..7101, 6997..7101, 6998..7111, 7207..7329,
7211..7270, 7227..7313, 7228..7314, 7420..7506, 7420..7494,
7581..7676, 7582..7677, 7586..7675, 7781..7846, 7782..7847,
7782..7850, 7915..8022, 7916..8023, 7917..8033, 7960..8025,
8097..8273, 8118..8273, 8379..8483, 8380..8472, 8555..8683,
8569..8694, 8572..8679

Seq. No.	2023	Seq. ID	OJ990703_47.9C16.C4
Gene No.	4284	Strand	-
Start	26446	End	33251
Name	OJ990703_47.9C16.C4.o1.ts	Method	TBLASTX:Soybean
Start	5286	End	8193
GI	none	Score	60

Exons 5286..5378, 5292..5378, 5311..5382, 5453..5599, 5469..5567,
5470..5568, 5690..5776, 5692..5784, 5873..5950, 5874..5948,
6113..6205, 6129..6209, 6130..6210, 6131..6217, 6296..6373,
6299..6385, 6303..6416, 6509..6613, 6515..6610, 6516..6617,
6516..6611, 6704..6760, 6705..6758, 6854..6904, 6855..6902,
6997..7101, 6997..7104, 6998..7111, 7207..7329, 7228..7314,
7420..7494, 7424..7495, 7582..7677, 7586..7675, 7781..7846,
7782..7847, 7782..7850, 7915..8022, 7917..8024, 7960..8022,
8092..8193, 8118..8192

Seq. No.	2023	Seq. ID	OJ990703_47.9C16.C4
Gene No.	4284	Strand	-
Start	26446	End	33251
Name	OJ990703_47.9C16.C4.o1.tc	Method	TBLASTX:Cress
Start	6151	End	8696
GI	none	Score	90

Exons 6151..6210, 6299..6385, 6299..6388, 6300..6386, 6515..6610,
6516..6611, 6516..6623, 6704..6781, 6854..6904, 6858..6902,
6996..7106, 6997..7101, 7200..7313, 7207..7347, 7420..7494,
7430..7492, 7579..7668, 7582..7677, 7586..7675, 7781..7846,
7782..7847, 7915..8022, 7916..8023, 7917..8033, 8094..8273,
8118..8273, 8125..8274, 8126..8287, 8352..8471, 8379..8483,
8380..8484, 8401..8484, 8555..8683, 8563..8682, 8586..8696

Seq. No.	2023	Seq. ID	OJ990703_47.9C16.C4
Gene No.	4284	Strand	-
Start	26446	End	33251
Name	OJ990703_47.9C16.C4.o2.tw	Method	TBLASTX:Wheat
Start	7005	End	7668
GI	none	Score	120

Exons 7005..7106, 7006..7101, 7019..7111, 7207..7347, 7228..7314,
7420..7494, 7424..7492, 7580..7666, 7581..7658, 7582..7668,
7582..7668

Seq. No.	2023	Seq. ID	OJ990703_47.9C16.C4
Gene No.	4284	Strand	-
Start	26446	End	33251
Name	OJ990703_47.9C16.C4.o1.tw	Method	TBLASTX:Wheat
Start	8127	End	8706
GI	none	Score	159

Exons 8127..8273, 8127..8273, 8352..8471, 8379..8483, 8380..8484,
8555..8683, 8574..8684, 8593..8706, 8595..8693

Seq. No.	2023	Seq. ID	OJ990703_47.9C16.C4
Gene No.	4284	Strand	-
Start	26446	End	33251
Name	OJ990703_47.9C16.C4.o2.ts	Method	TBLASTX:Soybean
Start	8193	End	8684
GI	none	Score	37
Exons	8193..8273, 8194..8214, 8202..8273, 8379..8483, 8389..8478, 8403..8480, 8561..8683, 8563..8661, 8580..8684		

Seq. No.	2023	Seq. ID	OJ990703_47.9C16.C4
Gene No.	4284	Strand	-
Start	26446	End	33251
Name	OJ990703_47.9C16.C4.o3.np	Method	AAT/NAP
Start	26446	End	33243
GI	6175185	Score	267
Exons	26446..26557, 27771..27954, 28070..28175, 28955..29164, 29938..30066, 30188..30267, 31276..31422, 31753..31880, 31983..32092, 33085..33243		
GI Descrip.	(AC011437) ankyrin-like protein [Arabidopsis thaliana]		

Seq. No.	2023	Seq. ID	OJ990703_47.9C16.C4
Gene No.	4284	Strand	-
Start	26446	End	33251
Name	OJ990703_47.9C16.C4.o3.gp	Method	AAT/GAP
Start	27078	End	27386
GI	3769122	Score	554
Exons	27078..27386		

Seq. No.	2023	Seq. ID	OJ990703_47.9C16.C4
Gene No.	4284	Strand	-
Start	26446	End	33251
Name	OJ990703_47.9C16.C4.o7.gs	Method	GENSCAN
Start	29213	End	33135
GI	none	Score	.63
Exons	29213..29224, 29938..30066, 30188..30277, 31412..31449, 31753..31884, 31987..32115, 32150..32255, 33073..33135		

Seq. No.	2023	Seq. ID	OJ990703_47.9C16.C4
Gene No.	4284	Strand	-
Start	26446	End	33251
Name	OJ990703_47.9C16.C4.o4.gp	Method	AAT/GAP
Start	31193	End	33251
GI	63383_1.R1084	Score	1106
Exons	31193..31422, 31753..31884, 31987..32115, 32304..32345, 33012..33072, 33151..33251		
GI Descrip.	'3320122 6.0e-14 (U46007) espin [Rattus norvegicus]'		

Seq. No.	2024	Seq. ID	OJ990703_47.9C16.C5
Gene No.	4285	Strand	+
Start	8393	End	8705
Name	OJ990703_47.9C16.C5.o3.gp	Method	AAT/GAP
Start	8393	End	8705
GI	86158_1.R1084	Score	382
Exons	8393..8521, 8546..8705		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 5.0e-42 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	2024	Seq. ID	OJ990703_47.9C16.C5
Gene No.	4285	Strand	+
Start	8393	End	8705
Name	OJ990703_47.9C16.C5.o2.gp	Method	AAT/GAP
Start	8394	End	8705
GI	86158_1.R1084	Score	383
Exons	8394..8521, 8546..8705		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 5.0e-42 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	2024	Seq. ID	OJ990703_47.9C16.C5
Gene No.	4286	Strand	+
Start	9091	End	9545
Name	OJ990703_47.9C16.C5.o4.gp	Method	AAT/GAP
Start	9091	End	9545
GI	36280_1.R1084	Score	866
Exons	9091..9545		
GI Descrip.	'5295971/dbj|BAA81872.1| 1.0e-81 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	2024	Seq. ID	OJ990703_47.9C16.C5
Gene No.	4287	Strand	+
Start	11239	End	11674
Name	OJ990703_47.9C16.C5.o6.gp	Method	AAT/GAP
Start	11239	End	11674
GI	uC-osf1M2020118f01a1	Score	821
Exons	11239..11674		
GI Descrip.	'5295971/dbj|BAA81872.1| 4.0e-64 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	2024	Seq. ID	OJ990703_47.9C16.C5
Gene No.	4288	Strand	+
Start	13733	End	14047
Name	OJ990703_47.9C16.C5.o8.gp	Method	AAT/GAP
Start	13733	End	14047
GI	86158_1.R1084	Score	382
Exons	13733..13861, 13886..14047		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 5.0e-42 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	2024	Seq. ID	OJ990703_47.9C16.C5
Gene No.	4288	Strand	+
Start	13733	End	14047
Name	OJ990703_47.9C16.C5.o7.gp	Method	AAT/GAP
Start	13734	End	14045
GI	86158_1.R1084	Score	384
Exons	13734..13861, 13886..14045		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 5.0e-42 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	2024	Seq. ID	OJ990703_47.9C16.C5
Gene No.	4289	Strand	-

Start	7007	End	7239
Name	OJ990703_47.9C16.C5.o1.gp	Method	AAT/GAP
Start	7007	End	7239
GI	63383_1.R1084	Score	370
Exons	7007..7239		
GI Descrip.	'3320122 6.0e-14 (U46007) espin [Rattus norvegicus]'		

Seq. No.	2024	Seq. ID	OJ990703_47.9C16.C5
Gene No.	4290	Strand	-
Start	8717	End	15933
Name	OJ990703_47.9C16.C5.o1.np	Method	AAT/NAP
Start	8717	End	13520
GI	5295971	Score	8132
Exons	8717..13520		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	2024	Seq. ID	OJ990703_47.9C16.C5
Gene No.	4290	Strand	-
Start	8717	End	15933
Name	OJ990703_47.9C16.C5.o5.gp	Method	AAT/GAP
Start	10875	End	11230
GI	uC-osflcyp139c12a1	Score	593
Exons	10875..11230		
GI Descrip.	'5295971/dbj|BAA81872.1| 3.0e-44 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	2024	Seq. ID	OJ990703_47.9C16.C5
Gene No.	4290	Strand	-
Start	8717	End	15933
Name	OJ990703_47.9C16.C5.o2.np	Method	AAT/NAP
Start	12906	End	15933
GI	2501354	Score	140
Exons	12906..12925, 15619..15658, 15727..15933		
GI Descrip.	TRANSKETOLASE 7 (TK) gi|1084441|pir||S54301 transketolase (EC 2.2.1.1) 7 - Craterostigma plantagineum gi|664903|emb|CAA86609| (Z46648) transketolase [Craterostigma plantagineum]		

Seq. No.	2024	Seq. ID	OJ990703_47.9C16.C5
Gene No.	4291	Strand	-
Start	17216	End	18796
Name	OJ990703_47.9C16.C5.o3.ts	Method	TBLASTX:Soybean
Start	8741	End	9391
GI	none	Score	51
Exons	8741..8974, 8874..8960, 9029..9217, 9057..9218, 9230..9391		

Seq. No.	2024	Seq. ID	OJ990703_47.9C16.C5
Gene No.	4291	Strand	-
Start	17216	End	18796
Name	OJ990703_47.9C16.C5.o1.tc	Method	TBLASTX:Cress
Start	8750	End	9412
GI	none	Score	101
Exons	8750..8968, 8754..8960, 9035..9115, 9039..9116, 9125..9412, 9126..9218, 9240..9350		

Seq. No.	2024	Seq. ID	OJ990703_47.9C16.C5
Gene No.	4291	Strand	-
Start	17216	End	18796
Name	OJ990703_47.9C16.C5.o4.tm	Method	TBLASTX:Maize
Start	8751	End	9140
GI	none	Score	255
Exons	8751..8975, 8751..9137, 8753..9139, 8753..9139, 9033..9140		

Seq. No.	2024	Seq. ID	OJ990703_47.9C16.C5
Gene No.	4291	Strand	-
Start	17216	End	18796
Name	OJ990703_47.9C16.C5.o4.tw	Method	TBLASTX:Wheat
Start	8780	End	9199
GI	none	Score	65
Exons	8780..8983, 8793..8960, 9029..9199, 9039..9116		

Seq. No.	2024	Seq. ID	OJ990703_47.9C16.C5
Gene No.	4291	Strand	-
Start	17216	End	18796
Name	OJ990703_47.9C16.C5.o8.tm	Method	TBLASTX:Maize
Start	9146	End	9329
GI	none	Score	122
Exons	9146..9328, 9147..9329		

Seq. No.	2024	Seq. ID	OJ990703_47.9C16.C5
Gene No.	4291	Strand	-
Start	17216	End	18796
Name	OJ990703_47.9C16.C5.o5.tw	Method	TBLASTX:Wheat
Start	9233	End	9544
GI	none	Score	64
Exons	9233..9412, 9437..9544		

Seq. No.	2024	Seq. ID	OJ990703_47.9C16.C5
Gene No.	4291	Strand	-
Start	17216	End	18796
Name	OJ990703_47.9C16.C5.o3.tm	Method	TBLASTX:Maize
Start	9329	End	9718
GI	none	Score	459
Exons	9329..9718, 9329..9718		

Seq. No.	2024	Seq. ID	OJ990703_47.9C16.C5
Gene No.	4291	Strand	-
Start	17216	End	18796
Name	OJ990703_47.9C16.C5.o1.tw	Method	TBLASTX:Wheat
Start	9545	End	10100
GI	none	Score	66
Exons	9545..9769, 9755..10099, 9759..9944, 9779..9946, 10011..10100		

Seq. No.	2024	Seq. ID	OJ990703_47.9C16.C5
Gene No.	4291	Strand	-
Start	17216	End	18796
Name	OJ990703_47.9C16.C5.o2.ts	Method	TBLASTX:Soybean
Start	9770	End	10267
GI	5509260	Score	130
Exons	9770..10267, 9789..9947, 10011..10187		
GI Descrip.	-		

Seq. No.	2024	Seq. ID	OJ990703_47.9C16.C5
Gene No.	4291	Strand	-
Start	17216	End	18796
Name	OJ990703_47.9C16.C5.o3.tc	Method	TBLASTX:Cress
Start	9881	End	10145
GI	none	Score	91
Exons	9881..10144, 10014..10145		

Seq. No.	2024	Seq. ID	OJ990703_47.9C16.C5
Gene No.	4291	Strand	-
Start	17216	End	18796
Name	OJ990703_47.9C16.C5.o5.tm	Method	TBLASTX:Maize
Start	9920	End	10216
GI	none	Score	181
Exons	9920..10216, 9921..10190		

Seq. No.	2024	Seq. ID	OJ990703_47.9C16.C5
Gene No.	4291	Strand	-
Start	17216	End	18796
Name	OJ990703_47.9C16.C5.o1.ts	Method	TBLASTX:Soybean
Start	10718	End	11197
GI	none	Score	161
Exons	10718..10864, 10889..11197, 10902..11192		

Seq. No.	2024	Seq. ID	OJ990703_47.9C16.C5
Gene No.	4291	Strand	-
Start	17216	End	18796
Name	OJ990703_47.9C16.C5.o2.tc	Method	TBLASTX:Cress
Start	10742	End	11182
GI	none	Score	60
Exons	10742..10864, 10886..11182, 10896..11042, 11100..11132		

Seq. No.	2024	Seq. ID	OJ990703_47.9C16.C5
Gene No.	4291	Strand	-
Start	17216	End	18796
Name	OJ990703_47.9C16.C5.o2.tm	Method	TBLASTX:Maize
Start	10802	End	11228
GI	none	Score	569
Exons	10802..11224, 10803..11228		

Seq. No.	2024	Seq. ID	OJ990703_47.9C16.C5
Gene No.	4291	Strand	-
Start	17216	End	18796
Name	OJ990703_47.9C16.C5.o3.tw	Method	TBLASTX:Wheat
Start	10880	End	11431
GI	none	Score	42
Exons	10880..10960, 10893..10964, 10967..11233, 11067..11216, 11291..11431		

Seq. No.	2024	Seq. ID	OJ990703_47.9C16.C5
Gene No.	4291	Strand	-
Start	17216	End	18796
Name	OJ990703_47.9C16.C5.o4.ts	Method	TBLASTX:Soybean
Start	11291	End	11566
GI	none	Score	194
Exons	11291..11566, 11390..11470		

Seq. No.	2024	Seq. ID	OJ990703_47.9C16.C5
Gene No.	4291	Strand	-
Start	17216	End	18796
Name	OJ990703_47.9C16.C5.o2.tw	Method	TBLASTX:Wheat
Start	11504	End	11957
GI	none	Score	57
Exons	11504..11596, 11504..11584, 11576..11953, 11591..11956, 11652..11957		

Seq. No.	2024	Seq. ID	OJ990703_47.9C16.C5
Gene No.	4291	Strand	-
Start	17216	End	18796
Name	OJ990703_47.9C16.C5.o7.tm	Method	TBLASTX:Maize
Start	11627	End	11867
GI	none	Score	262
Exons	11627..11866, 11628..11867		

Seq. No.	2024	Seq. ID	OJ990703_47.9C16.C5
Gene No.	4291	Strand	-
Start	17216	End	18796
Name	OJ990703_47.9C16.C5.o1.tm	Method	TBLASTX:Maize
Start	11882	End	12602
GI	none	Score	413
Exons	11882..12307, 11882..12247, 11983..12306, 12312..12344, 12326..12601, 12327..12584, 12327..12602		

Seq. No.	2024	Seq. ID	OJ990703_47.9C16.C5
Gene No.	4291	Strand	-
Start	17216	End	18796
Name	OJ990703_47.9C16.C5.o6.tm	Method	TBLASTX:Maize
Start	12836	End	13127
GI	none	Score	215
Exons	12836..13057, 12836..13126, 12912..13127		

Seq. No.	2024	Seq. ID	OJ990703_47.9C16.C5
Gene No.	4291	Strand	-
Start	17216	End	18796
Name	OJ990703_47.9C16.C5.o3.np	Method	AAT/NAP
Start	17216	End	18796
GI	3980411	Score	78
Exons	17216..17234, 18413..18796		
GI Descrip.	(AC004561) putative proline-rich protein [Arabidopsis thaliana]		

Seq. No.	2025	Seq. ID	OJ990703_47.9C16.C6
Gene No.	4292	Strand	+
Start	560	End	5837
Name	OJ990703_47.9C16.C6.o1.gs	Method	GENSCAN
Start	560	End	5837
GI	none	Score	.63
Exons	560..638, 689..845, 2355..2593, 3582..3731, 4398..4432, 5078..5206, 5727..5837		

Seq. No.	2025	Seq. ID	OJ990703_47.9C16.C6
Gene No.	4292	Strand	+
Start	560	End	5837
Name	OJ990703_47.9C16.C6.o1.gp	Method	AAT/GAP

Start	2418	End	3887
GI	2429001	Score	815
Exons	2418..2535, 2655..2762, 3582..3732, 3809..3887		

Seq. No.	2025	Seq. ID	OJ990703_47.9C16.C6
Gene No.	4293	Strand	-
Start	8403	End	9785
Name	OJ990703_47.9C16.C6.o2.gs	Method	GENSCAN
Start	8403	End	9779
GI	none	Score	.9
Exons	8403..8538, 9643..9779		

Seq. No.	2025	Seq. ID	OJ990703_47.9C16.C6
Gene No.	4293	Strand	-
Start	8403	End	9785
Name	OJ990703_47.9C16.C6.o3.gp	Method	AAT/GAP
Start	8938	End	9785
GI	none	Score	764
Exons	8938..9207, 9643..9785		

Seq. No.	2026	Seq. ID	OJ990703_47.9C16.C8
Gene No.	4294	Strand	+
Start	127	End	1084
Name	OJ990703_47.9C16.C8.o1.gs	Method	GENSCAN
Start	127	End	984
GI	none	Score	.74
Exons	127..146, 211..332, 455..514, 682..984		

Seq. No.	2026	Seq. ID	OJ990703_47.9C16.C8
Gene No.	4294	Strand	+
Start	127	End	1084
Name	OJ990703_47.9C16.C8.o1.np	Method	AAT/NAP
Start	454	End	1084
GI	2498930	Score	723
Exons	454..514, 682..1084		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	2027	Seq. ID	OJ990323_30.9C03.C1
Gene No.	4295	Strand	+
Start	1	End	1188
Name	OJ990323_30.9C03.C1.o1.np	Method	AAT/NAP
Start	1	End	1188
GI	5091513	Score	1707
Exons	1..1188		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	2027	Seq. ID	OJ990323_30.9C03.C1
Gene No.	4295	Strand	+
Start	1	End	1188
Name	OJ990323_30.9C03.C1.o1.gs	Method	GENSCAN
Start	112	End	1161
GI	none	Score	.52
Exons	112..1161		

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4296	Strand	+

Start	759	End	4529
Name	OJ990323_30.9C03.C2.o1.gs	Method	GENSCAN
Start	759	End	2300
GI	none	Score	1
Exons	759..2300		

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4296	Strand	+
Start	759	End	4529
Name	OJ990323_30.9C03.C2.o1.np	Method	AAT/NAP
Start	762	End	4529
GI	6572076	Score	878
Exons	762..2221, 4465..4529		
GI Descrip.	(AL133452) receptor-protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4297	Strand	+
Start	5471	End	6550
Name	OJ990323_30.9C03.C2.o2.gs	Method	GENSCAN
Start	5471	End	6550
GI	none	Score	1
Exons	5471..6550		

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4298	Strand	+
Start	18561	End	19127
Name	OJ990323_30.9C03.C2.o5.gs	Method	GENSCAN
Start	18561	End	19127
GI	none	Score	1
Exons	18561..19127		

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4299	Strand	+
Start	20552	End	21121
Name	OJ990323_30.9C03.C2.o6.gs	Method	GENSCAN
Start	20552	End	21121
GI	none	Score	.5
Exons	20552..21121		

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4300	Strand	+
Start	22032	End	39109
Name	OJ990323_30.9C03.C2.o7.gs	Method	GENSCAN
Start	22032	End	29047
GI	none	Score	.5
Exons	22032..22115, 22627..22800, 23180..23279, 23672..24722, 25454..25566, 25684..25922, 26017..26783, 27762..27854, 28212..28351, 28357..28554, 28662..28790, 28857..29047		

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4300	Strand	+
Start	22032	End	39109
Name	OJ990323_30.9C03.C2.o2.np	Method	AAT/NAP
Start	23802	End	36816
GI	2832694	Score	1797
Exons	23802..24695, 25647..25971, 26010..26793, 35684..36816		

GI Descrip. (AL021713) putative protein [Arabidopsis thaliana]

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4300	Strand	+
Start	22032	End	39109
Name	OJ990323_30.9C03.C2.o2.gp	Method	AAT/GAP
Start	25680	End	26353
GI	12023_1.R1084	Score	1225
Exons	25680..26353		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4300	Strand	+
Start	22032	End	39109
Name	OJ990323_30.9C03.C2.o3.gp	Method	AAT/GAP
Start	26583	End	26912
GI	4716124	Score	639
Exons	26583..26912		
GI Descrip.	2832695/emb|CAA16793.1| 1.0e-15 (AL021713) putative protein [Arabidopsis thaliana]		

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4300	Strand	+
Start	22032	End	39109
Name	OJ990323_30.9C03.C2.o9.gs	Method	GENSCAN
Start	35701	End	39109
GI	none	Score	.64
Exons	35701..36851, 37373..37445, 37656..38027, 38630..38920, 39098..39109		

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4301	Strand	-
Start	6925	End	8795
Name	OJ990323_30.9C03.C2.o3.gs	Method	GENSCAN
Start	6925	End	8795
GI	none	Score	.48
Exons	6925..7113, 7190..7454, 7619..7738, 8392..8795		

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4302	Strand	-
Start	40190	End	41316
Name	OJ990323_30.9C03.C2.o5.gp	Method	AAT/GAP
Start	40190	End	41316
GI	none	Score	692
Exons	40190..40470, 41049..41093, 41261..41316		

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4303	Strand	-
Start	41410	End	44839
Name	OJ990323_30.9C03.C2.o2.ts	Method	TBLASTX:Soybean
Start	1010	End	1867
GI	none	Score	105
Exons	1010..1105, 1011..1109, 1173..1277, 1178..1276, 1338..1376, 1452..1556, 1593..1865, 1640..1867		

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4303	Strand	-
Start	41410	End	44839
Name	OJ990323_30.9C03.C2.o3.tc	Method	TBLASTX:Cress
Start	1010	End	1364
GI	none	Score	133
Exons	1010..1105, 1011..1109, 1170..1316, 1178..1306, 1329..1364		

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4303	Strand	-
Start	41410	End	44839
Name	OJ990323_30.9C03.C2.o5.tm	Method	TBLASTX:Maize
Start	1055	End	1535
GI	none	Score	83
Exons	1055..1105, 1056..1109, 1176..1283, 1193..1270, 1323..1535, 1340..1534		

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4303	Strand	-
Start	41410	End	44839
Name	OJ990323_30.9C03.C2.o2.tc	Method	TBLASTX:Cress
Start	1616	End	2021
GI	none	Score	322
Exons	1616..1906, 1617..1907, 1917..2021		

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4303	Strand	-
Start	41410	End	44839
Name	OJ990323_30.9C03.C2.o2.tm	Method	TBLASTX:Maize
Start	1689	End	1967
GI	none	Score	279
Exons	1689..1841, 1691..1840, 1845..1967, 1847..1957		

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4303	Strand	-
Start	41410	End	44839
Name	OJ990323_30.9C03.C2.o4.ts	Method	TBLASTX:Soybean
Start	23725	End	36129
GI	none	Score	152
Exons	23725..23862, 23730..23897, 23920..24051, 23961..24050, 25794..25973, 25999..26127, 35809..35973, 35811..35870, 35913..35969, 36028..36129, 36039..36128		

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4303	Strand	-
Start	41410	End	44839
Name	OJ990323_30.9C03.C2.o1.tm	Method	TBLASTX:Maize
Start	23778	End	36332
GI	none	Score	81
Exons	23778..23897, 23779..23862, 23938..24162, 23964..24164, 25854..25976, 25854..25976, 25998..26300, 25999..26283, 35860..36330, 35913..36332		

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4303	Strand	-
Start	41410	End	44839
Name	OJ990323_30.9C03.C2.o5.tc	Method	TBLASTX:Cress

Start	23941	End	36264
GI	none	Score	163
Exons	23941..24174, 25878..25946, 26038..26256, 35884..35976, 36040..36264		

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4303	Strand	-
Start	41410	End	44839
Name	OJ990323_30.9C03.C2.o1.ts	Method	TBLASTX:Soybean
Start	24052	End	36759
GI	none	Score	101
Exons	24052..24174, 24184..24672, 24201..24677, 26128..26250, 26350..26808, 26448..26765, 26464..26775, 36130..36234, 36253..36759, 36285..36758		

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4303	Strand	-
Start	41410	End	44839
Name	OJ990323_30.9C03.C2.o1.tc	Method	TBLASTX:Cress
Start	24190	End	36708
GI	none	Score	435
Exons	24190..24627, 24198..24614, 26350..26706, 26436..26699, 36271..36708, 36420..36689		

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4303	Strand	-
Start	41410	End	44839
Name	OJ990323_30.9C03.C2.o7.tm	Method	TBLASTX:Maize
Start	24198	End	36629
GI	none	Score	312
Exons	24198..24548, 24199..24540, 26326..26616, 26350..26619, 26430..26627, 36333..36404, 36333..36629, 36334..36624		

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4303	Strand	-
Start	41410	End	44839
Name	OJ990323_30.9C03.C2.o10.tm	Method	TBLASTX:Maize
Start	32964	End	33191
GI	none	Score	198
Exons	32964..33191, 32965..33174		

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4303	Strand	-
Start	41410	End	44839
Name	OJ990323_30.9C03.C2.o8.tm	Method	TBLASTX:Maize
Start	33207	End	33588
GI	none	Score	254
Exons	33207..33359, 33211..33492, 33382..33492, 33496..33588, 33517..33588		

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4303	Strand	-
Start	41410	End	44839
Name	OJ990323_30.9C03.C2.o6.tm	Method	TBLASTX:Maize
Start	34066	End	34491
GI	none	Score	325
Exons	34066..34173, 34069..34491, 34222..34488, 34230..34490		

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4303	Strand	-
Start	41410	End	44839
Name	OJ990323_30.9C03.C2.o11.gs	Method	GENSCAN
Start	41410	End	44768
GI	none	Score	.91
Exons	41410..42165, 42259..42379, 42464..44768		

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4303	Strand	-
Start	41410	End	44839
Name	OJ990323_30.9C03.C2.o3.np	Method	AAT/NAP
Start	41416	End	42168
GI	322873	Score	274
Exons	41416..42168		
GI Descrip.	hypothetical protein 2 - maize transposon En-1 gi|225006|prf||1206239B ORF 2 [Zea mays]		

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4303	Strand	-
Start	41410	End	44839
Name	OJ990323_30.9C03.C2.o3.tw	Method	TBLASTX:Wheat
Start	41758	End	43110
GI	none	Score	227
Exons	41758..41853, 41902..41964, 42679..43110		

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4303	Strand	-
Start	41410	End	44839
Name	OJ990323_30.9C03.C2.o4.np	Method	AAT/NAP
Start	42204	End	44839
GI	806299	Score	1858
Exons	42204..42373, 42464..44739, 44773..44839		
GI Descrip.	(M25427) unknown protein [Zea mays]		

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4303	Strand	-
Start	41410	End	44839
Name	OJ990323_30.9C03.C2.o3.tm	Method	TBLASTX:Maize
Start	42731	End	43215
GI	none	Score	89
Exons	42731..42892, 42733..43215		

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4303	Strand	-
Start	41410	End	44839
Name	OJ990323_30.9C03.C2.o3.ts	Method	TBLASTX:Soybean
Start	42781	End	43185
GI	none	Score	113
Exons	42781..43023, 42782..42895, 43027..43185		

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4303	Strand	-
Start	41410	End	44839
Name	OJ990323_30.9C03.C2.o6.gp	Method	AAT/GAP
Start	43638	End	44097

GI	uC-osroM202028g07b1	Score	861
Exons	43638..44097		
GI Descrip.	'322871/pir||S29329 3.0e-35 hypothetical protein 1 - maize transposon En-1 >gi_225005_prf__1206239A ORF 1 [Zea mays]'		

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4303	Strand	-
Start	41410	End	44839
Name	OJ990323_30.9C03.C2.o4.tm	Method	TBLASTX:Maize
Start	43717	End	44010
GI	none	Score	153
Exons	43717..43905, 43721..43906, 43906..44010, 43907..43999		

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4303	Strand	-
Start	41410	End	44839
Name	OJ990323_30.9C03.C2.o1.tw	Method	TBLASTX:Wheat
Start	43837	End	44139
GI	none	Score	99
Exons	43837..44139, 43856..44131, 43873..44139		

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4303	Strand	-
Start	41410	End	44839
Name	OJ990323_30.9C03.C2.o4.tc	Method	TBLASTX:Cress
Start	43924	End	44289
GI	none	Score	80
Exons	43924..44130, 44167..44289		

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4303	Strand	-
Start	41410	End	44839
Name	OJ990323_30.9C03.C2.o5.ts	Method	TBLASTX:Soybean
Start	44017	End	44418
GI	none	Score	74
Exons	44017..44154, 44149..44250, 44302..44418		

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4303	Strand	-
Start	41410	End	44839
Name	OJ990323_30.9C03.C2.o9.tm	Method	TBLASTX:Maize
Start	44017	End	44364
GI	none	Score	51
Exons	44017..44172, 44194..44256, 44302..44364		

Seq. No.	2028	Seq. ID	OJ990323_30.9C03.C2
Gene No.	4303	Strand	-
Start	41410	End	44839
Name	OJ990323_30.9C03.C2.o2.tw	Method	TBLASTX:Wheat
Start	44326	End	44656
GI	none	Score	71
Exons	44326..44655, 44344..44631, 44534..44656		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4304	Strand	+
Start	7961	End	14071
Name	OJ990323_30.9C03.C3.o2.gs	Method	GENSCAN

Start	7961	End	13426
GI	none	Score	.92
Exons	7961..10893, 10990..12070, 12302..13426		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4304	Strand	+
Start	7961	End	14071
Name	OJ990323_30.9C03.C3.o2.np	Method	AAT/NAP
Start	7961	End	14035
GI	5922631	Score	6658
Exons	7961..8085, 8344..8588, 8838..9040, 9086..9657, 9700..9851, 9978..10901, 11508..14035		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4304	Strand	+
Start	7961	End	14071
Name	OJ990323_30.9C03.C3.o3.gs	Method	GENSCAN
Start	13535	End	14071
GI	none	Score	.8
Exons	13535..14071		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4305	Strand	-
Start	173	End	9154
Name	OJ990323_30.9C03.C3.o1.gs	Method	GENSCAN
Start	173	End	5893
GI	none	Score	.57
Exons	173..312, 2583..2645, 2704..3247, 3340..3450, 3835..4021, 4403..4639, 5274..5475, 5812..5893		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4305	Strand	-
Start	173	End	9154
Name	OJ990323_30.9C03.C3.o1.np	Method	AAT/NAP
Start	4612	End	9154
GI	3269281	Score	1017
Exons	4612..4639, 5965..6826, 6860..7470, 9108..9154		
GI Descrip.	(AL030978) putative protein [Arabidopsis thaliana]		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o5.tm	Method	TBLASTX:Maize
Start	5909	End	6575
GI	none	Score	102
Exons	5909..5950, 5968..6162, 6152..6574, 6225..6374, 6432..6575		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355

Name	OJ990323_30.9C03.C3.o1.ts	Method	TBLASTX:Soybean
Start	5959	End	6562
GI	none	Score	51
Exons	5959..6156, 6049..6096, 6170..6562, 6171..6374, 6435..6560		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o3.tw	Method	TBLASTX:Wheat
Start	6326	End	6763
GI	none	Score	49
Exons	6326..6763, 6327..6371, 6441..6758		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o3.tc	Method	TBLASTX:Cress
Start	6629	End	6880
GI	none	Score	78
Exons	6629..6880, 6630..6818		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o2.tm	Method	TBLASTX:Maize
Start	6698	End	7145
GI	none	Score	41
Exons	6698..7144, 6744..6791, 6903..7145		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o9.tw	Method	TBLASTX:Wheat
Start	6764	End	7277
GI	none	Score	74
Exons	6764..6940, 6932..7276, 6984..7124, 7149..7277		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o2.ts	Method	TBLASTX:Soybean
Start	6941	End	7442
GI	5509260	Score	128
Exons	6941..7441, 6954..7118, 7158..7442		
GI Descrip.	-		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o1.tc	Method	TBLASTX:Cress
Start	7058	End	7327
GI	none	Score	116
Exons	7058..7327, 7059..7319		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355

Name	OJ990323_30.9C03.C3.o8.tm	Method	TBLASTX:Maize
Start	7148	End	7414
GI	none	Score	86
Exons	7148..7414, 7188..7406		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o10.tw	Method	TBLASTX:Wheat
Start	9262	End	9664
GI	none	Score	292
Exons	9262..9531, 9263..9664		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o8.tw	Method	TBLASTX:Wheat
Start	10274	End	10675
GI	none	Score	356
Exons	10274..10675, 10336..10656		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o1.tw	Method	TBLASTX:Wheat
Start	10918	End	11374
GI	none	Score	490
Exons	10918..11373, 10919..11374		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o5.ts	Method	TBLASTX:Soybean
Start	10958	End	11323
GI	none	Score	139
Exons	10958..11182, 11189..11323		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o3.tm	Method	TBLASTX:Maize
Start	11048	End	11404
GI	none	Score	376
Exons	11048..11404, 11089..11394		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o2.tw	Method	TBLASTX:Wheat
Start	11489	End	11913
GI	none	Score	448
Exons	11489..11908, 11533..11913, 11554..11913		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o3.ts	Method	TBLASTX:Soybean

Start	11567	End	11968
GI	none	Score	314
Exons	11567..11968, 11584..11727, 11764..11934		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o4.tm	Method	TBLASTX:Maize
Start	11635	End	12079
GI	none	Score	275
Exons	11635..11889, 11636..11890, 11636..11890, 11911..12042, 11912..12055, 12053..12079		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o11.tw	Method	TBLASTX:Wheat
Start	11917	End	12199
GI	none	Score	273
Exons	11917..11994, 11918..12199, 11927..12187		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o4.ts	Method	TBLASTX:Soybean
Start	12194	End	12582
GI	none	Score	86
Exons	12194..12298, 12202..12582, 12338..12580		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o7.tw	Method	TBLASTX:Wheat
Start	12203	End	12625
GI	none	Score	395
Exons	12203..12625, 12211..12615		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o9.tm	Method	TBLASTX:Maize
Start	12455	End	12709
GI	none	Score	193
Exons	12455..12709		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o14.tw	Method	TBLASTX:Wheat
Start	12641	End	12940
GI	none	Score	130
Exons	12641..12775, 12800..12940		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o1.tm	Method	TBLASTX:Maize

Start	12937	End	13300
GI	none	Score	446
Exons	12937..13248, 12938..13261, 12958..13272, 13252..13299, 13253..13300		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o4.tw	Method	TBLASTX:Wheat
Start	12943	End	13330
GI	none	Score	420
Exons	12943..13254, 12944..13330, 13139..13330		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o10.tm	Method	TBLASTX:Maize
Start	13403	End	26223
GI	none	Score	80
Exons	13403..13588, 25951..26223		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o6.tw	Method	TBLASTX:Wheat
Start	13445	End	14059
GI	none	Score	272
Exons	13445..13723, 13600..13707, 13778..13936, 13922..14059		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o7.tm	Method	TBLASTX:Maize
Start	13787	End	14022
GI	none	Score	146
Exons	13787..13939, 13918..14022, 13919..14020		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o4.gs	Method	GENSCAN
Start	14387	End	23579
GI	none	Score	.47
Exons	14387..14835, 14908..15012, 15084..15197, 15336..15536, 15611..16208, 16427..17350, 17386..17462, 18836..19525, 21073..21094, 21561..21851, 21975..22086, 22106..22310, 22667..23579		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o3.np	Method	AAT/NAP
Start	14390	End	17311
GI	6691716	Score	2372
Exons	14390..14835, 14908..15012, 15162..15273, 15349..15523, 15664..15969, 16051..16225, 16423..17311		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa]		

gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o12.tw	Method	TBLASTX:Wheat
Start	16901	End	17191
GI	none	Score	218
Exons	16901..17191		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o4.np	Method	AAT/NAP
Start	18773	End	22566
GI	2586082	Score	754
Exons	18773..19484, 22469..22566		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o5.np	Method	AAT/NAP
Start	18839	End	19898
GI	4490716	Score	80
Exons	18839..18910, 19300..19448, 19791..19898		
GI Descrip.	(AL035680) putative retrotransposon (fragment) [Arabidopsis thaliana]		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o2.tc	Method	TBLASTX:Cress
Start	19332	End	26229
GI	none	Score	69
Exons	19332..19472, 25942..26229, 26033..26209		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o6.np	Method	AAT/NAP
Start	21527	End	25536
GI	5091513	Score	2356
Exons	21527..21606, 22325..22506, 22642..23576, 24088..25100, 25479..25536		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o7.np	Method	AAT/NAP
Start	22518	End	27205
GI	4572668	Score	285
Exons	22518..22661, 25845..26738, 27053..27205		
GI Descrip.	(AC006954) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o8.np	Method	AAT/NAP
Start	23501	End	27355
GI	3650035	Score	580
Exons	23501..23529, 25853..27149, 27327..27355		
GI Descrip.	(AC005396) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o5.gs	Method	GENSCAN
Start	24142	End	27125
GI	none	Score	.85
Exons	24142..24681, 24861..25100, 25463..25523, 26162..26207, 26912..27125		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o13.tw	Method	TBLASTX:Wheat
Start	25951	End	26351
GI	none	Score	88
Exons	25951..26016, 26014..26214, 26240..26347, 26241..26351		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o6.ts	Method	TBLASTX:Soybean
Start	26035	End	26251
GI	none	Score	113
Exons	26035..26220, 26035..26250, 26036..26251		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o5.tw	Method	TBLASTX:Wheat
Start	26701	End	27071
GI	none	Score	121
Exons	26701..26946, 26703..27071, 26715..27038, 26831..27043		

Seq. No.	2029	Seq. ID	OJ990323_30.9C03.C3
Gene No.	4306	Strand	-
Start	14387	End	27355
Name	OJ990323_30.9C03.C3.o6.tm	Method	TBLASTX:Maize
Start	26910	End	27167
GI	none	Score	111
Exons	26910..27062, 27039..27167		

Seq. No.	2030	Seq. ID	OJ990323_30.9C03.C4
Gene No.	4307	Strand	+
Start	300	End	1067
Name	OJ990323_30.9C03.C4.o1.np	Method	AAT/NAP
Start	300	End	1067

GI	6006359	Score	71
Exons	300..392, 1030..1067		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	2031	Seq. ID	OJ990323_30.9C03.C5
Gene No.	4308	Strand	-
Start	1	End	4359
Name	OJ990323_30.9C03.C5.o2.np	Method	AAT/NAP
Start	1	End	3615
GI	3451074	Score	35
Exons	1..19, 1160..1276, 3591..3615		
GI Descrip.	(AL031326) putative protein [Arabidopsis thaliana]		

Seq. No.	2031	Seq. ID	OJ990323_30.9C03.C5
Gene No.	4308	Strand	-
Start	1	End	4359
Name	OJ990323_30.9C03.C5.o1.np	Method	AAT/NAP
Start	98	End	906
GI	2586082	Score	1036
Exons	98..906		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	2031	Seq. ID	OJ990323_30.9C03.C5
Gene No.	4308	Strand	-
Start	1	End	4359
Name	OJ990323_30.9C03.C5.o2.gs	Method	GENSCAN
Start	668	End	4359
GI	none	Score	.49
Exons	668..881, 1230..1632, 1757..1929, 3733..3817, 4287..4359		

Seq. No.	2031	Seq. ID	OJ990323_30.9C03.C5
Gene No.	4309	Strand	-
Start	5491	End	6498
Name	OJ990323_30.9C03.C5.o1.tw	Method	TBLASTX:Wheat
Start	239	End	577
GI	none	Score	91
Exons	239..577, 386..514		

Seq. No.	2031	Seq. ID	OJ990323_30.9C03.C5
Gene No.	4309	Strand	-
Start	5491	End	6498
Name	OJ990323_30.9C03.C5.o1.tm	Method	TBLASTX:Maize
Start	392	End	817
GI	none	Score	62
Exons	392..688, 462..623, 725..817		

Seq. No.	2031	Seq. ID	OJ990323_30.9C03.C5
Gene No.	4309	Strand	-
Start	5491	End	6498
Name	OJ990323_30.9C03.C5.o3.gs	Method	GENSCAN
Start	5491	End	6498
GI	none	Score	.94
Exons	5491..6498		

Seq. No.	2032	Seq. ID	OJ990323_30.9C03.C6
Gene No.	4310	Strand	+
Start	116	End	7804

Name	OJ990323_30.9C03.C6.o1.gs	Method	GENSCAN
Start	116	End	7004
GI	none	Score	.81
Exons	116..432, 622..935, 1339..1895, 1993..2127, 2293..2467, 2513..2631, 2748..2948, 3047..3100, 3868..3964, 4498..4574, 4989..5054, 5291..5443, 6252..6307, 6384..6444, 6516..6626, 6870..7004		

Seq. No.	2032	Seq. ID	OJ990323_30.9C03.C6
Gene No.	4310	Strand	+
Start	116	End	7804
Name	OJ990323_30.9C03.C6.o1.tm	Method	TBLASTX:Maize
Start	2793	End	3252
GI	none	Score	158
Exons	2793..2951, 2797..2949, 2816..2950, 3023..3103, 3029..3100, 3031..3102, 3182..3247, 3183..3248, 3184..3252		

Seq. No.	2032	Seq. ID	OJ990323_30.9C03.C6
Gene No.	4310	Strand	+
Start	116	End	7804
Name	OJ990323_30.9C03.C6.o1.np	Method	AAT/NAP
Start	4485	End	7804
GI	3063473	Score	526
Exons	4485..4561, 4970..5054, 5291..5443, 6252..6311, 6391..6444, 6516..6626, 6870..7004, 7077..7376, 7554..7804		
GI Descrip.	(AC003981) F22O13.35 [Arabidopsis thaliana]		

Seq. No.	2033	Seq. ID	OJ990323_30.9C03.C7
Gene No.	4311	Strand	-
Start	1	End	693
Name	OJ990323_30.9C03.C7.o1.np	Method	AAT/NAP
Start	1	End	693
GI	5091513	Score	1015
Exons	1..693		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	2034	Seq. ID	OJ990323_30.9C03.C8
Gene No.	4312	Strand	+
Start	66	End	572
Name	OJ990323_30.9C03.C8.o1.gs	Method	GENSCAN
Start	66	End	572
GI	none	Score	.82
Exons	66..572		

Seq. No.	2034	Seq. ID	OJ990323_30.9C03.C8
Gene No.	4313	Strand	-
Start	1	End	729
Name	OJ990323_30.9C03.C8.o1.np	Method	AAT/NAP
Start	1	End	729
GI	5091512	Score	954
Exons	1..505, 547..729		
GI Descrip.	(AB023482) Similar to Plasmodium vivax circumsporozoite protein gene, complete cds.(M11926) [Oryza sativa]		

Seq. No.	2035	Seq. ID	OJ990503_32.9C03.C1
Gene No.	4314	Strand	+
Start	975	End	1038

Name	OJ990503_32.9C03.C1.o1.gs	Method	GENSCAN
Start	975	End	1038
GI	none	Score	.42
Exons	975..1038		

Seq. No.	2035	Seq. ID	OJ990503_32.9C03.C1
Gene No.	4315	Strand	+
Start	1171	End	1562
Name	OJ990503_32.9C03.C1.o1.gp	Method	AAT/GAP
Start	1171	End	1562
GI	426253	Score	334
Exons	1171..1296, 1453..1562		

Seq. No.	2035	Seq. ID	OJ990503_32.9C03.C1
Gene No.	4316	Strand	+
Start	8151	End	13003
Name	OJ990503_32.9C03.C1.o4.gs	Method	GENSCAN
Start	8151	End	13003
GI	none	Score	.48
Exons	8151..8416, 8670..8698, 11005..11078, 11451..11783, 12350..12412, 12417..12646, 12806..12889, 12919..13003		

Seq. No.	2035	Seq. ID	OJ990503_32.9C03.C1
Gene No.	4317	Strand	+
Start	13931	End	18637
Name	OJ990503_32.9C03.C1.o5.gs	Method	GENSCAN
Start	13931	End	18294
GI	none	Score	.58
Exons	13931..13998, 16787..16918, 17606..17687, 17762..18049, 18160..18294		

Seq. No.	2035	Seq. ID	OJ990503_32.9C03.C1
Gene No.	4317	Strand	+
Start	13931	End	18637
Name	OJ990503_32.9C03.C1.o3.gp	Method	AAT/GAP
Start	17855	End	18637
GI	none	Score	1255
Exons	17855..18049, 18160..18637		

Seq. No.	2035	Seq. ID	OJ990503_32.9C03.C1
Gene No.	4318	Strand	+
Start	25781	End	28502
Name	OJ990503_32.9C03.C1.o8.gs	Method	GENSCAN
Start	25781	End	28502
GI	none	Score	.61
Exons	25781..25917, 27399..27857, 28310..28502		

Seq. No.	2035	Seq. ID	OJ990503_32.9C03.C1
Gene No.	4318	Strand	+
Start	25781	End	28502
Name	OJ990503_32.9C03.C1.o4.gp	Method	AAT/GAP
Start	27431	End	28139
GI	none	Score	1300
Exons	27431..28139		

Seq. No.	2035	Seq. ID	OJ990503_32.9C03.C1
Gene No.	4318	Strand	+

Start	25781	End	28502
Name	OJ990503_32.9C03.C1.o2.np	Method	AAT/NAP
Start	27517	End	27894
GI	4455270	Score	225
Exons	27517..27894		
GI Descrip.	(AL035527) putative protein [Arabidopsis thaliana]		

Seq. No.	2035	Seq. ID	OJ990503_32.9C03.C1
Gene No.	4319	Strand	+
Start	35509	End	40906
Name	OJ990503_32.9C03.C1.o3.np	Method	AAT/NAP
Start	35509	End	40906
GI	6322636	Score	122
Exons	35509..35553, 36492..36826, 37278..37381, 37825..37890, 38238..38308, 38571..38714, 39210..39401, 40063..40210, 40528..40606, 40681..40748, 40885..40906		
GI Descrip.	phospholipase A2-activating protein; Doa1p gi|549752|sp|P36037|DOA1_YEAST DOA1 PROTEIN gi|539311|pir||S38051 DOA1 protein - yeast (Saccharomyces cerevisiae) gi|473137|emb|CAA53560| (X75951) ORF6, F715 [Saccharomyces cerevisiae] gi|486381|emb|CAA82058| (Z28213) ORF YKL213c [Saccharomyces cerevisiae] gi|1086570 (U39947) Doa1p [Saccharomyces cerevisiae]		

Seq. No.	2035	Seq. ID	OJ990503_32.9C03.C1
Gene No.	4319	Strand	+
Start	35509	End	40906
Name	OJ990503_32.9C03.C1.o10.gs	Method	GENSCAN
Start	36459	End	40740
GI	none	Score	.91
Exons	36459..36826, 38571..38710, 39212..39401, 39672..39733, 40122..40210, 40528..40606, 40681..40740		

Seq. No.	2035	Seq. ID	OJ990503_32.9C03.C1
Gene No.	4320	Strand	-
Start	1815	End	2708
Name	OJ990503_32.9C03.C1.o2.gs	Method	GENSCAN
Start	1815	End	2708
GI	none	Score	.79
Exons	1815..1951, 2663..2708		

Seq. No.	2035	Seq. ID	OJ990503_32.9C03.C1
Gene No.	4321	Strand	-
Start	3915	End	4444
Name	OJ990503_32.9C03.C1.o2.gp	Method	AAT/GAP
Start	3915	End	4444
GI	none	Score	1008
Exons	3915..4444		

Seq. No.	2035	Seq. ID	OJ990503_32.9C03.C1
Gene No.	4322	Strand	-
Start	23534	End	24682
Name	OJ990503_32.9C03.C1.o1.np	Method	AAT/NAP
Start	23534	End	24682
GI	4914317	Score	551
Exons	23534..24682		
GI Descrip.	(AC005489) F14N23.3 [Arabidopsis thaliana]		

Seq. No.	2035	Seq. ID	OJ990503_32.9C03.C1
Gene No.	4322	Strand	-
Start	23534	End	24682
Name	OJ990503_32.9C03.C1.o7.gs	Method	GENSCAN
Start	23534	End	24664
GI	none	Score	.94
Exons	23534..24664		

Seq. No.	2035	Seq. ID	OJ990503_32.9C03.C1
Gene No.	4323	Strand	-
Start	29407	End	35896
Name	OJ990503_32.9C03.C1.o2.tm	Method	TBLASTX:Maize
Start	23627	End	23968
GI	none	Score	165
Exons	23627..23839, 23627..23833, 23924..23968		

Seq. No.	2035	Seq. ID	OJ990503_32.9C03.C1
Gene No.	4323	Strand	-
Start	29407	End	35896
Name	OJ990503_32.9C03.C1.o5.gp	Method	AAT/GAP
Start	29407	End	32097
GI	LIB3477-003-P1-K1-E9	Score	135
Exons	29407..29453, 32038..32097		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	2035	Seq. ID	OJ990503_32.9C03.C1
Gene No.	4323	Strand	-
Start	29407	End	35896
Name	OJ990503_32.9C03.C1.o9.gs	Method	GENSCAN
Start	30675	End	35896
GI	none	Score	.71
Exons	30675..30842, 33214..33684, 35212..35532, 35585..35896		

Seq. No.	2035	Seq. ID	OJ990503_32.9C03.C1
Gene No.	4324	Strand	
Start	36465	End	36815
Name	OJ990503_32.9C03.C1.o1.tc	Method	TBLASTX:Cress
Start	36465	End	36815
GI	none	Score	371
Exons	36465..36815, 36491..36793		

Seq. No.	2035	Seq. ID	OJ990503_32.9C03.C1
Gene No.	4325	Strand	
Start	37273	End	40213
Name	OJ990503_32.9C03.C1.o1.tm	Method	TBLASTX:Maize
Start	37273	End	39276
GI	none	Score	142
Exons	37273..37383, 37278..37382, 37279..37383, 37280..37387, 37280..37387, 37819..37896, 37824..37895, 37832..37912, 38243..38305, 38244..38306, 38568..38708, 38569..38709, 39209..39274, 39210..39275, 39210..39275, 39211..39276		

Seq. No.	2035	Seq. ID	OJ990503_32.9C03.C1
Gene No.	4325	Strand	

Start	37273	End	40213
Name	OJ990503_32.9C03.C1.o1.ts	Method	TBLASTX:Soybean
Start	38605	End	40213
GI	none	Score	146
Exons	38605..38709, 38619..38708, 39209..39304, 39210..39326, 39210..39401, 39211..39402, 39669..39734, 39670..39735, 40120..40209, 40121..40213		

Seq. No.	2036	Seq. ID	OJ990503_32.9C03.C2
Gene No.	4326	Strand	+
Start	225	End	627
Name	OJ990503_32.9C03.C2.o1.gp	Method	AAT/GAP
Start	225	End	627
GI	none	Score	150
Exons	225..257, 540..627		

Seq. No.	2037	Seq. ID	OJ990503_32.9C03.C3
Gene No.	4327	Strand	+
Start	81	End	87
Name	OJ990503_32.9C03.C3.o1.gs	Method	GENSCAN
Start	81	End	87
GI	none	Score	.99
Exons	81..87		

Seq. No.	2038	Seq. ID	OJ990923_20.9C23.C3
Gene No.	4328	Strand	-
Start	455	End	1227
Name	OJ990923_20.9C23.C3.o1.gp	Method	AAT/GAP
Start	177	End	630
GI	LIB3431-045-P1-N1-A10	Score	872
Exons	177..630		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	2038	Seq. ID	OJ990923_20.9C23.C3
Gene No.	4328	Strand	-
Start	455	End	1227
Name	OJ990923_20.9C23.C3.o1.gs	Method	GENSCAN
Start	455	End	1135
GI	none	Score	.79
Exons	455..615, 913..1135		

Seq. No.	2038	Seq. ID	OJ990923_20.9C23.C3
Gene No.	4328	Strand	-
Start	455	End	1227
Name	OJ990923_20.9C23.C3.o2.gp	Method	AAT/GAP
Start	709	End	1131
GI	5701669	Score	764
Exons	709..1131		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	2038	Seq. ID	OJ990923_20.9C23.C3
Gene No.	4328	Strand	-
Start	455	End	1227
Name	OJ990923_20.9C23.C3.o1.np	Method	AAT/NAP

Start	735	End	1227
GI	5441880	Score	843
Exons	735..1227		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	2038	Seq. ID	OJ990923_20.9C23.C3
Gene No.	4328	Strand	-
Start	455	End	1227
Name	OJ990923_20.9C23.C3.o1.tm	Method	TBLASTX:Maize
Start	737	End	1174
GI	none	Score	151
Exons	737..1012, 774..995, 1046..1174, 1068..1166		

Seq. No.	2039	Seq. ID	OJ990923_20.9C23.C4
Gene No.	4329	Strand	+
Start	1	End	430
Name	OJ990923_20.9C23.C4.o1.np	Method	AAT/NAP
Start	1	End	430
GI	4587516	Score	313
Exons	1..261, 386..430		
GI Descrip.	(AC007060) Strong similarity to gb|U80583 proteinase TMP from Lycopersicon esculentum and is a member of the PF|00082 subtilase family. [Arabidopsis thaliana]		

Seq. No.	2039	Seq. ID	OJ990923_20.9C23.C4
Gene No.	4329	Strand	+
Start	1	End	430
Name	OJ990923_20.9C23.C4.o1.tc	Method	TBLASTX:Cress
Start	2	End	257
GI	none	Score	130
Exons	2..136, 3..143, 171..257		

Seq. No.	2039	Seq. ID	OJ990923_20.9C23.C4
Gene No.	4329	Strand	+
Start	1	End	430
Name	OJ990923_20.9C23.C4.o1.ts	Method	TBLASTX:Soybean
Start	2	End	260
GI	none	Score	337
Exons	2..259, 3..260		

Seq. No.	2039	Seq. ID	OJ990923_20.9C23.C4
Gene No.	4329	Strand	+
Start	1	End	430
Name	OJ990923_20.9C23.C4.o1.tm	Method	TBLASTX:Maize
Start	2	End	289
GI	none	Score	309
Exons	2..253, 3..212, 5..214, 194..289, 195..263		

Seq. No.	2039	Seq. ID	OJ990923_20.9C23.C4
Gene No.	4329	Strand	+
Start	1	End	430
Name	OJ990923_20.9C23.C4.o1.gs	Method	GENSCAN
Start	12	End	261
GI	none	Score	.48
Exons	12..261		

Seq. No.	2040	Seq. ID	OJ990923_20.9C23.C5
Gene No.	4330	Strand	+
Start	1	End	239
Name	OJ990923_20.9C23.C5.o1.np	Method	AAT/NAP
Start	1	End	233
GI	6723391	Score	71
Exons	1..233		
GI Descrip.	(AL132956) putative protein [Arabidopsis thaliana]		

Seq. No.	2040	Seq. ID	OJ990923_20.9C23.C5
Gene No.	4330	Strand	+
Start	1	End	239
Name	OJ990923_20.9C23.C5.o1.gs	Method	GENSCAN
Start	72	End	239
GI	none	Score	.76
Exons	72..239		

Seq. No.	2041	Seq. ID	OJ990923_20.9C23.C6
Gene No.	4331	Strand	-
Start	1	End	2371
Name	OJ990923_20.9C23.C6.o1.np	Method	AAT/NAP
Start	1	End	2371
GI	6572076	Score	2514
Exons	1..2248, 2303..2371		
GI Descrip.	(AL133452) receptor-protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	2041	Seq. ID	OJ990923_20.9C23.C6
Gene No.	4331	Strand	-
Start	1	End	2371
Name	OJ990923_20.9C23.C6.o1.ts	Method	TBLASTX:Soybean
Start	1	End	926
GI	none	Score	83
Exons	1..69, 3..68, 35..925, 81..926		

Seq. No.	2041	Seq. ID	OJ990923_20.9C23.C6
Gene No.	4331	Strand	-
Start	1	End	2371
Name	OJ990923_20.9C23.C6.o1.tm	Method	TBLASTX:Maize
Start	1	End	1007
GI	none	Score	107
Exons	1..69, 3..68, 22..321, 35..898, 54..905, 541..903, 906..947, 938..1006, 948..1007		

Seq. No.	2041	Seq. ID	OJ990923_20.9C23.C6
Gene No.	4331	Strand	-
Start	1	End	2371
Name	OJ990923_20.9C23.C6.o4.tc	Method	TBLASTX:Cress
Start	1	End	197
GI	none	Score	72
Exons	1..81, 3..95, 35..196, 72..197		

Seq. No.	2041	Seq. ID	OJ990923_20.9C23.C6
Gene No.	4331	Strand	-
Start	1	End	2371
Name	OJ990923_20.9C23.C6.o2.tw	Method	TBLASTX:Wheat

Start	80	End	292
GI	none	Score	77
Exons	80..292, 150..287		

Seq. No.	2041	Seq. ID	OJ990923_20.9C23.C6
Gene No.	4331	Strand	-
Start	1	End	2371
Name	OJ990923_20.9C23.C6.o1.gs	Method	GENSCAN
Start	112	End	2359
GI	none	Score	.57
Exons	112..2359		

Seq. No.	2041	Seq. ID	OJ990923_20.9C23.C6
Gene No.	4331	Strand	-
Start	1	End	2371
Name	OJ990923_20.9C23.C6.o1.tc	Method	TBLASTX:Cress
Start	198	End	754
GI	none	Score	576
Exons	198..752, 209..754, 233..754		

Seq. No.	2041	Seq. ID	OJ990923_20.9C23.C6
Gene No.	4331	Strand	-
Start	1	End	2371
Name	OJ990923_20.9C23.C6.o1.tw	Method	TBLASTX:Wheat
Start	294	End	718
GI	none	Score	542
Exons	294..716, 296..718, 296..718		

Seq. No.	2041	Seq. ID	OJ990923_20.9C23.C6
Gene No.	4331	Strand	-
Start	1	End	2371
Name	OJ990923_20.9C23.C6.o2.tm	Method	TBLASTX:Maize
Start	1007	End	1339
GI	none	Score	230
Exons	1007..1234, 1008..1235, 1235..1339, 1236..1337, 1250..1339		

Seq. No.	2041	Seq. ID	OJ990923_20.9C23.C6
Gene No.	4331	Strand	-
Start	1	End	2371
Name	OJ990923_20.9C23.C6.o2.tc	Method	TBLASTX:Cress
Start	1028	End	1531
GI	none	Score	112
Exons	1028..1192, 1050..1196, 1232..1447, 1232..1531, 1236..1454		

Seq. No.	2041	Seq. ID	OJ990923_20.9C23.C6
Gene No.	4331	Strand	-
Start	1	End	2371
Name	OJ990923_20.9C23.C6.o2.ts	Method	TBLASTX:Soybean
Start	1248	End	2230
GI	none	Score	84
Exons	1248..1454, 1250..1486, 1568..1693, 1569..1658, 1736..1783, 1742..1780, 1829..1939, 1934..2095, 1980..2105, 2132..2164, 2186..2230		

Seq. No.	2041	Seq. ID	OJ990923_20.9C23.C6
Gene No.	4331	Strand	-
Start	1	End	2371

Name	OJ990923_20.9C23.C6.o3.tm	Method	TBLASTX:Maize
Start	1340	End	1667
GI	none	Score	76
Exons	1340..1666, 1343..1447, 1514..1660, 1536..1667		

Seq. No.	2041	Seq. ID	OJ990923_20.9C23.C6
Gene No.	4331	Strand	-
Start	1	End	2371
Name	OJ990923_20.9C23.C6.o4.tm	Method	TBLASTX:Maize
Start	1697	End	2030
GI	none	Score	48
Exons	1697..1930, 1727..1774, 1830..1931, 1955..2029, 1980..2030		

Seq. No.	2041	Seq. ID	OJ990923_20.9C23.C6
Gene No.	4331	Strand	-
Start	1	End	2371
Name	OJ990923_20.9C23.C6.o3.tc	Method	TBLASTX:Cress
Start	1748	End	2096
GI	none	Score	42
Exons	1748..1933, 1830..1913, 1931..2095, 1980..2096		

Seq. No.	2042	Seq. ID	OJ990923_20.9C23.C7
Gene No.	4332	Strand	+
Start	12812	End	15494
Name	OJ990923_20.9C23.C7.o3.gs	Method	GENSCAN
Start	12812	End	15494
GI	none	Score	.63
Exons	12812..12821, 12912..12985, 13690..13857, 14259..14293, 14720..14808, 15023..15190, 15325..15494		

Seq. No.	2042	Seq. ID	OJ990923_20.9C23.C7
Gene No.	4333	Strand	+
Start	21069	End	21519
Name	OJ990923_20.9C23.C7.o4.gp	Method	AAT/GAP
Start	21069	End	21519
GI	uC-osf1cyp066b11a1	Score	894
Exons	21069..21519		
GI Descrip.	'3128206 8.0e-52 (AC004077) unknown protein [Arabidopsis thaliana]'		

Seq. No.	2042	Seq. ID	OJ990923_20.9C23.C7
Gene No.	4334	Strand	+
Start	26362	End	27368
Name	OJ990923_20.9C23.C7.o6.gs	Method	GENSCAN
Start	26362	End	27368
GI	none	Score	.97
Exons	26362..26384, 26506..26626, 26952..27368		

Seq. No.	2042	Seq. ID	OJ990923_20.9C23.C7
Gene No.	4335	Strand	-
Start	4285	End	10315
Name	OJ990923_20.9C23.C7.o1.gp	Method	AAT/GAP
Start	4015	End	4281
GI	3768021	Score	441
Exons	4015..4281		

Seq. No.	2042	Seq. ID	OJ990923_20.9C23.C7

Gene No.	4335	Strand	-
Start	4285	End	10315
Name	OJ990923_20.9C23.C7.o2.gs	Method	GENSCAN
Start	4285	End	9333
GI	none	Score	.79
Exons	4285..4437, 4503..4702, 5025..5306, 5896..6166, 6252..6583, 6672..6954, 7086..7158, 7237..7332, 7648..8045, 8496..8649, 8999..9333		

Seq. No.	2042	Seq. ID	OJ990923_20.9C23.C7
Gene No.	4335	Strand	-
Start	4285	End	10315
Name	OJ990923_20.9C23.C7.o1.np	Method	AAT/NAP
Start	4299	End	10315
GI	4587516	Score	2355
Exons	4299..4702, 5025..5306, 5896..6166, 6252..6563, 6658..6954, 7086..7158, 7237..7332, 7648..8045, 8496..8638, 9113..9234, 10221..10315		
GI Descrip.	(AC007060) Strong similarity to gb|U80583 proteinase TMP from Lycopersicon esculentum and is a member of the PF|00082 subtilase family. [Arabidopsis thaliana]		

Seq. No.	2042	Seq. ID	OJ990923_20.9C23.C7
Gene No.	4335	Strand	-
Start	4285	End	10315
Name	OJ990923_20.9C23.C7.o2.gp	Method	AAT/GAP
Start	6475	End	6966
GI	568481	Score	737
Exons	6475..6583, 6672..6966		
GI Descrip.	4587516/gb|AAD25747.1|AC007060_5 5.0e-46 (AC007060) Strong similarity to gb_U80583 proteinase TMP from Lycopersicon esculentum and is a member of the PF_00082 subtilase family. [Arabidopsis thaliana]		

Seq. No.	2042	Seq. ID	OJ990923_20.9C23.C7
Gene No.	4336	Strand	-
Start	17530	End	25521
Name	OJ990923_20.9C23.C7.o4.gs	Method	GENSCAN
Start	17530	End	20381
GI	none	Score	.83
Exons	17530..17613, 17883..17993, 18072..18243, 19240..19397, 19500..19575, 19789..19970, 20067..20381		

Seq. No.	2042	Seq. ID	OJ990923_20.9C23.C7
Gene No.	4336	Strand	-
Start	17530	End	25521
Name	OJ990923_20.9C23.C7.o2.np	Method	AAT/NAP
Start	17548	End	22255
GI	6324770	Score	688
Exons	17548..17613, 17883..17993, 18072..18243, 19240..19397, 19485..19575, 19789..19952, 20067..20205, 22203..22255		
GI Descrip.	lipoic acid synthase; Lip5p gi|417254|sp|P32875|LIP5_YEAST LIPOIC ACID SYNTHETASE, MITOCHONDRIAL PRECURSOR (LIP-SYN) (LIPOATE SYNTHASE) gi|630264|pir||S42159 lipoic acid synthase (EC 2.8.1.-) precursor - yeast (Saccharomyces cerevisiae) gi|1420467|emb|CAA99409| (Z75104) ORF YOR196c [Saccharomyces cerevisiae]		

Seq. No.	2042	Seq. ID	OJ990923_20.9C23.C7
Gene No.	4336	Strand	-
Start	17530	End	25521
Name	OJ990923_20.9C23.C7.o3.gp	Method	AAT/GAP
Start	17900	End	18100
GI	3106632	Score	217
Exons	17900..17993, 18072..18100		

Seq. No.	2042	Seq. ID	OJ990923_20.9C23.C7
Gene No.	4336	Strand	-
Start	17530	End	25521
Name	OJ990923_20.9C23.C7.o5.gs	Method	GENSCAN
Start	21328	End	25521
GI	none	Score	.76
Exons	21328..21434, 21811..23859, 24392..24461, 25284..25340, 25513..25521		

Seq. No.	2042	Seq. ID	OJ990923_20.9C23.C7
Gene No.	4336	Strand	-
Start	17530	End	25521
Name	OJ990923_20.9C23.C7.o3.np	Method	AAT/NAP
Start	21779	End	25313
GI	2244855	Score	1181
Exons	21779..22326, 22378..23151, 23203..23850, 24377..24461, 25284..25313		
GI Descrip.	(Z97337) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2042	Seq. ID	OJ990923_20.9C23.C7
Gene No.	4336	Strand	-
Start	17530	End	25521
Name	OJ990923_20.9C23.C7.o5.gp	Method	AAT/GAP
Start	21958	End	22508
GI	22676_1.R1084	Score	1056
Exons	21958..22508		
GI Descrip.	'3152568 2.0e-48 (AC002986) Similar to hypothetical protein product gb_Z97337 from A. thaliana. EST gb_H76597 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	2042	Seq. ID	OJ990923_20.9C23.C7
Gene No.	4336	Strand	-
Start	17530	End	25521
Name	OJ990923_20.9C23.C7.o6.gp	Method	AAT/GAP
Start	23778	End	24463
GI	31452_1.R1084	Score	226
Exons	23778..23859, 24392..24463		
GI Descrip.	'2244855/emb|CAB10277.1| 5.0e-09 (Z97337) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	2042	Seq. ID	OJ990923_20.9C23.C7
Gene No.	4337	Strand	-
Start	29242	End	31163
Name	OJ990923_20.9C23.C7.o2.tm	Method	TBLASTX:Maize
Start	4659	End	6326
GI	none	Score	72
Exons	4659..4700, 4997..5092, 5023..5091, 5033..5329, 5072..5305, 5074..5307, 5212..5334, 5892..5996, 5894..6169, 5894..6172,		

6244..6321, 6249..6317, 6249..6326

Seq. No.	2042	Seq. ID	OJ990923_20.9C23.C7
Gene No.	4337	Strand	-
Start	29242	End	31163
Name	OJ990923_20.9C23.C7.o2.ts	Method	TBLASTX:Soybean
Start	4662	End	6134
GI	none	Score	256
Exons	4662..4706, 5026..5310, 5027..5311, 5063..5323, 5891..6130, 5894..6130, 6036..6134		

Seq. No.	2042	Seq. ID	OJ990923_20.9C23.C7
Gene No.	4337	Strand	-
Start	29242	End	31163
Name	OJ990923_20.9C23.C7.o3.tc	Method	TBLASTX:Cress
Start	5029	End	7898
GI	none	Score	80
Exons	5029..5115, 5143..5298, 5150..5314, 5927..5983, 6676..6870, 7236..7334, 7725..7820, 7839..7898		

Seq. No.	2042	Seq. ID	OJ990923_20.9C23.C7
Gene No.	4337	Strand	-
Start	29242	End	31163
Name	OJ990923_20.9C23.C7.o6.tm	Method	TBLASTX:Maize
Start	6345	End	6886
GI	none	Score	140
Exons	6345..6518, 6673..6885, 6749..6886		

Seq. No.	2042	Seq. ID	OJ990923_20.9C23.C7
Gene No.	4337	Strand	-
Start	29242	End	31163
Name	OJ990923_20.9C23.C7.o4.ts	Method	TBLASTX:Soybean
Start	6877	End	8042
GI	none	Score	109
Exons	6877..6987, 7080..7157, 7209..7334, 7240..7329, 7242..7331, 7647..7832, 7648..7800, 7848..8042, 7849..8001		

Seq. No.	2042	Seq. ID	OJ990923_20.9C23.C7
Gene No.	4337	Strand	-
Start	29242	End	31163
Name	OJ990923_20.9C23.C7.o5.tm	Method	TBLASTX:Maize
Start	6886	End	7700
GI	none	Score	95
Exons	6886..6987, 6887..6988, 7086..7157, 7086..7157, 7120..7158, 7123..7158, 7235..7330, 7237..7329, 7238..7330, 7239..7334, 7647..7700		

Seq. No.	2042	Seq. ID	OJ990923_20.9C23.C7
Gene No.	4337	Strand	-
Start	29242	End	31163
Name	OJ990923_20.9C23.C7.o2.tc	Method	TBLASTX:Cress
Start	17533	End	20189
GI	none	Score	49
Exons	17533..17613, 17871..17999, 17878..17973, 18066..18194, 18079..18198, 19215..19394, 19243..19398, 19485..19589, 19508..19594, 19788..19925, 19854..19916, 20067..20189		

Seq. No.	2042	Seq. ID	OJ990923_20.9C23.C7
Gene No.	4337	Strand	-
Start	29242	End	31163
Name	OJ990923_20.9C23.C7.o5.ts	Method	TBLASTX:Soybean
Start	17871	End	19544
GI	none	Score	79
Exons	17871..17999, 18066..18194, 18079..18198, 19215..19403, 19243..19398, 19494..19544, 19494..19544		

Seq. No.	2042	Seq. ID	OJ990923_20.9C23.C7
Gene No.	4337	Strand	-
Start	29242	End	31163
Name	OJ990923_20.9C23.C7.o3.tm	Method	TBLASTX:Maize
Start	19483	End	20214
GI	none	Score	78
Exons	19483..19536, 19484..19576, 19485..19589, 19788..19916, 19789..19908, 19790..19972, 19791..19973, 20067..20126, 20067..20213, 20068..20214		

Seq. No.	2042	Seq. ID	OJ990923_20.9C23.C7
Gene No.	4337	Strand	-
Start	29242	End	31163
Name	OJ990923_20.9C23.C7.o1.tm	Method	TBLASTX:Maize
Start	21530	End	22975
GI	none	Score	35
Exons	21530..21547, 21547..21609, 21549..21608, 21617..21694, 21617..21697, 21764..22840, 21765..22841, 22330..22842, 22847..22975, 22850..22966		

Seq. No.	2042	Seq. ID	OJ990923_20.9C23.C7
Gene No.	4337	Strand	-
Start	29242	End	31163
Name	OJ990923_20.9C23.C7.o1.tw	Method	TBLASTX:Wheat
Start	21794	End	22010
GI	none	Score	131
Exons	21794..22009, 21807..22010		

Seq. No.	2042	Seq. ID	OJ990923_20.9C23.C7
Gene No.	4337	Strand	-
Start	29242	End	31163
Name	OJ990923_20.9C23:C7.o3.ts	Method	TBLASTX:Soybean
Start	22127	End	22384
GI	none	Score	229
Exons	22127..22384, 22146..22376		

Seq. No.	2042	Seq. ID	OJ990923_20.9C23.C7
Gene No.	4337	Strand	-
Start	29242	End	31163
Name	OJ990923_20.9C23.C7.o1.tc	Method	TBLASTX:Cress
Start	22325	End	22969
GI	none	Score	122
Exons	22325..22483, 22326..22484, 22502..22747, 22503..22721, 22754..22969, 22761..22862		

Seq. No.	2042	Seq. ID	OJ990923_20.9C23.C7
Gene No.	4337	Strand	-
Start	29242	End	31163

Name	OJ990923_20.9C23.C7.o1.ts	Method	TBLASTX:Soybean
Start	22550	End	23071
GI	none	Score	95
Exons	22550..22759, 22559..22717, 22747..22845, 22754..23071, 22761..23048, 22763..23053, 22948..23070		

Seq. No.	2042	Seq. ID	OJ990923_20.9C23.C7
Gene No.	4337	Strand	-
Start	29242	End	31163
Name	OJ990923_20.9C23.C7.o4.tm	Method	TBLASTX:Maize
Start	22976	End	23226
GI	none	Score	112
Exons	22976..23224, 22977..23048, 22981..23211, 23098..23226		

Seq. No.	2042	Seq. ID	OJ990923_20.9C23.C7
Gene No.	4337	Strand	-
Start	29242	End	31163
Name	OJ990923_20.9C23.C7.o7.gs	Method	GENSCAN
Start	29242	End	31163
GI	none	Score	.96
Exons	29242..29418, 30792..31163		

Seq. No.	2043	Seq. ID	OJ990923_20.9C23.C8
Gene No.	4338	Strand	+
Start	1689	End	1960
Name	OJ990923_20.9C23.C8.o1.gp	Method	AAT/GAP
Start	1689	End	1960
GI	none	Score	520
Exons	1689..1960		

Seq. No.	2043	Seq. ID	OJ990923_20.9C23.C8
Gene No.	4339	Strand	-
Start	25	End	10667
Name	OJ990923_20.9C23.C8.o1.gs	Method	GENSCAN
Start	25	End	10667
GI	none	Score	.66
Exons	25..173, 412..584, 761..959, 2574..2699, 2746..2978, 3452..3564, 3973..4769, 5817..5926, 6032..7713, 8926..9974, 10029..10112, 10553..10667		

Seq. No.	2043	Seq. ID	OJ990923_20.9C23.C8
Gene No.	4339	Strand	-
Start	25	End	10667
Name	OJ990923_20.9C23.C8.o1.tm	Method	TBLASTX:Maize
Start	2912	End	4278
GI	none	Score	141
Exons	2912..2980, 3437..3565, 3451..3570, 3962..4246, 3967..4227, 3981..4244, 4255..4278		

Seq. No.	2044	Seq. ID	OJ990923_20.9C23.C9
Gene No.	4340	Strand	-
Start	165	End	9748
Name	OJ990923_20.9C23.C9.o2.np	Method	AAT/NAP
Start	139	End	5637
GI	5441880	Score	405
Exons	139..176, 2387..2720, 2829..2976, 5459..5637		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the		

predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

Seq. No.	2044	Seq. ID	OJ990923_20.9C23.C9
Gene No.	4340	Strand	-
Start	165	End	9748
Name	OJ990923_20.9C23.C9.o1.gs	Method	GENSCAN
Start	165	End	9748
GI	none	Score	.57
Exons	165..343, 755..896, 982..1302, 1382..1436, 2012..2300, 2387..2575, 2599..2753, 4853..4890, 5514..5999, 6068..6173, 6252..6572, 6657..8340, 8503..8849, 9443..9633, 9674..9748		

Seq. No.	2044	Seq. ID	OJ990923_20.9C23.C9
Gene No.	4340	Strand	-
Start	165	End	9748
Name	OJ990923_20.9C23.C9.o1.np	Method	AAT/NAP
Start	2383	End	5836
GI	5441880	Score	405
Exons	2383..2720, 2829..2976, 5459..5563, 5798..5836		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	2044	Seq. ID	OJ990923_20.9C23.C9
Gene No.	4340	Strand	-
Start	165	End	9748
Name	OJ990923_20.9C23.C9.o3.np	Method	AAT/NAP
Start	4160	End	6181
GI	5732031	Score	326
Exons	4160..4202, 5455..5984, 6065..6181		
GI Descrip.	(AF147260) No definition line found [Arabidopsis thaliana]		

Seq. No.	2044	Seq. ID	OJ990923_20.9C23.C9
Gene No.	4340	Strand	-
Start	165	End	9748
Name	OJ990923_20.9C23.C9.o1.tw	Method	TBLASTX:Wheat
Start	5538	End	7006
GI	none	Score	59
Exons	5538..5588, 5601..5777, 6254..6349, 6452..6574, 6456..6581, 6639..6776, 6644..7006, 6834..6965		

Seq. No.	2044	Seq. ID	OJ990923_20.9C23.C9
Gene No.	4340	Strand	-
Start	165	End	9748
Name	OJ990923_20.9C23.C9.o3.tm	Method	TBLASTX:Maize
Start	5715	End	6003
GI	none	Score	182
Exons	5715..5999, 5722..6003		

Seq. No.	2044	Seq. ID	OJ990923_20.9C23.C9
Gene No.	4340	Strand	-
Start	165	End	9748
Name	OJ990923_20.9C23.C9.o1.tm	Method	TBLASTX:Maize
Start	6655	End	7102
GI	none	Score	103
Exons	6655..6870, 6656..6850, 6656..7102, 6657..7055, 6917..7057		

Seq. No.	2044	Seq. ID	OJ990923_20.9C23.C9
Gene No.	4340	Strand	-
Start	165	End	9748
Name	OJ990923_20.9C23.C9.o4.np	Method	AAT/NAP
Start	6656	End	8893
GI	1345502	Score	1725
Exons	6656..8893		
GI Descrip.	(X57297) TNP2 [Antirrhinum majus]		

Seq. No.	2044	Seq. ID	OJ990923_20.9C23.C9
Gene No.	4340	Strand	-
Start	165	End	9748
Name	OJ990923_20.9C23.C9.o3.ts	Method	TBLASTX:Soybean
Start	6668	End	7054
GI	none	Score	110
Exons	6668..6940, 6669..6857, 6875..7054		

Seq. No.	2044	Seq. ID	OJ990923_20.9C23.C9
Gene No.	4340	Strand	-
Start	165	End	9748
Name	OJ990923_20.9C23.C9.o4.tm	Method	TBLASTX:Maize
Start	7137	End	7351
GI	none	Score	108
Exons	7137..7328, 7139..7351		

Seq. No.	2044	Seq. ID	OJ990923_20.9C23.C9
Gene No.	4340	Strand	-
Start	165	End	9748
Name	OJ990923_20.9C23.C9.o2.ts	Method	TBLASTX:Soybean
Start	7412	End	7654
GI	none	Score	105
Exons	7412..7654, 7470..7652		

Seq. No.	2044	Seq. ID	OJ990923_20.9C23.C9
Gene No.	4340	Strand	-
Start	165	End	9748
Name	OJ990923_20.9C23.C9.o2.tm	Method	TBLASTX:Maize
Start	7484	End	7927
GI	none	Score	94
Exons	7484..7678, 7485..7679, 7697..7927, 7737..7919		

Seq. No.	2044	Seq. ID	OJ990923_20.9C23.C9
Gene No.	4340	Strand	-
Start	165	End	9748
Name	OJ990923_20.9C23.C9.o2.tw	Method	TBLASTX:Wheat
Start	7697	End	7984
GI	none	Score	117
Exons	7697..7984, 7740..7925, 7775..7957		

Seq. No.	2044	Seq. ID	OJ990923_20.9C23.C9
Gene No.	4340	Strand	-
Start	165	End	9748
Name	OJ990923_20.9C23.C9.o1.tc	Method	TBLASTX:Cress
Start	7772	End	8122
GI	none	Score	127
Exons	7772..8122, 7773..8105		

Seq. No.	2044	Seq. ID	OJ990923_20.9C23.C9
Gene No.	4340	Strand	-
Start	165	End	9748
Name	OJ990923_20.9C23.C9.o1.ts	Method	TBLASTX:Soybean
Start	7853	End	8275
GI	none	Score	140
Exons	7853..8176, 7857..8096, 8207..8275		

Seq. No.	2044	Seq. ID	OJ990923_20.9C23.C9
Gene No.	4340	Strand	-
Start	165	End	9748
Name	OJ990923_20.9C23.C9.o3.tw	Method	TBLASTX:Wheat
Start	7994	End	8458
GI	none	Score	39
Exons	7994..8131, 8153..8428, 8429..8458		

Seq. No.	2045	Seq. ID	OJ990923_20.9C23.C10
Gene No.	4341	Strand	-
Start	1	End	5856
Name	OJ990923_20.9C23.C10.o1.np	Method	AAT/NAP
Start	1	End	1418
GI	6907086	Score	1141
Exons	1..128, 347..586, 646..1418		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	2045	Seq. ID	OJ990923_20.9C23.C10
Gene No.	4341	Strand	-
Start	1	End	5856
Name	OJ990923_20.9C23.C10.o1.gs	Method	GENSCAN
Start	17	End	95
GI	none	Score	.55
Exons	17..95		

Seq. No.	2045	Seq. ID	OJ990923_20.9C23.C10
Gene No.	4341	Strand	-
Start	1	End	5856
Name	OJ990923_20.9C23.C10.o2.gs	Method	GENSCAN
Start	680	End	5523
GI	none	Score	.8
Exons	680..1126, 1949..2053, 2978..3088, 5026..5211, 5437..5523		

Seq. No.	2045	Seq. ID	OJ990923_20.9C23.C10
Gene No.	4341	Strand	-
Start	1	End	5856
Name	OJ990923_20.9C23.C10.o2.np	Method	AAT/NAP
Start	2122	End	3171
GI	4680186	Score	202
Exons	2122..2540, 3068..3171		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	2045	Seq. ID	OJ990923_20.9C23.C10
Gene No.	4341	Strand	-
Start	1	End	5856
Name	OJ990923_20.9C23.C10.o3.np	Method	AAT/NAP
Start	5143	End	5856
GI	5042454	Score	196

Exons	5143..5196, 5437..5607, 5794..5856		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	2046	Seq. ID	OJ990923_20.9C23.C11
Gene No.	4342	Strand	+
Start	606	End	4375
Name	OJ990923_20.9C23.C11.o1.gs	Method	GENSCAN
Start	606	End	4375
GI	none	Score	.85
Exons	606..771, 866..1110, 1360..1563, 1683..1775, 2031..2372, 2510..2572, 2803..2871, 3567..3686, 3779..3946, 4268..4375		
Seq. No.	2046	Seq. ID	OJ990923_20.9C23.C11
Gene No.	4343	Strand	-
Start	4790	End	6904
Name	OJ990923_20.9C23.C11.o2.tm	Method	TBLASTX:Maize
Start	868	End	1545
GI	none	Score	191
Exons	868..1062, 1363..1545		
Seq. No.	2046	Seq. ID	OJ990923_20.9C23.C11
Gene No.	4343	Strand	-
Start	4790	End	6904
Name	OJ990923_20.9C23.C11.o1.np	Method	AAT/NAP
Start	4790	End	6904
GI	5441880	Score	1560
Exons	4790..5158, 5417..5448, 5893..6904		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	2046	Seq. ID	OJ990923_20.9C23.C11
Gene No.	4343	Strand	-
Start	4790	End	6904
Name	OJ990923_20.9C23.C11.o1.tw	Method	TBLASTX:Wheat
Start	5666	End	6043
GI	none	Score	71
Exons	5666..5839, 5677..5817, 5772..5840, 5867..6040, 5889..6041, 5894..6043		
Seq. No.	2046	Seq. ID	OJ990923_20.9C23.C11
Gene No.	4343	Strand	-
Start	4790	End	6904
Name	OJ990923_20.9C23.C11.o1.tm	Method	TBLASTX:Maize
Start	5741	End	6337
GI	none	Score	220
Exons	5741..5812, 5859..6332, 5870..6337		
Seq. No.	2047	Seq. ID	OJ990923_20.9C23.C12
Gene No.	4344	Strand	+
Start	190	End	370
Name	OJ990923_20.9C23.C12.o1.gs	Method	GENSCAN
Start	190	End	370
GI	none	Score	.54
Exons	190..242, 265..370		
Seq. No.	2047	Seq. ID	OJ990923_20.9C23.C12

Gene No.	4345	Strand	+
Start	4484	End	19783
Name	OJ990923_20.9C23.C12.o3.gs	Method	GENSCAN
Start	4484	End	19783
GI	none	Score	.76
Exons	4484..4792, 4915..4983, 5280..5343, 5386..5544, 5649..5894, 6022..6067, 6201..6279, 6402..6490, 8794..8956, 9949..10037, 10118..10253, 10352..10430, 10601..10688, 10778..10853, 12422..12944, 13356..13513, 14369..14413, 15054..15740, 15957..19280, 19289..19783		

Seq. No.	2047	Seq. ID	OJ990923_20.9C23.C12
Gene No.	4345	Strand	+
Start	4484	End	19783
Name	OJ990923_20.9C23.C12.o2.np	Method	AAT/NAP
Start	4523	End	6491
GI	4966372	Score	530
Exons	4523..4792, 4915..4983, 5106..5159, 5280..5362, 5404..5492, 5685..5894, 6022..6067, 6201..6279, 6402..6491		
GI Descrip.	(AC006341) ESTs gb|N38586 and gb|N38613 come from this gene. [Arabidopsis thaliana]		

Seq. No.	2047	Seq. ID	OJ990923_20.9C23.C12
Gene No.	4345	Strand	+
Start	4484	End	19783
Name	OJ990923_20.9C23.C12.o2.gp	Method	AAT/GAP
Start	10225	End	11427
GI	uC-osf1M202035f05b1	Score	708
Exons	10225..10253, 10352..10426, 10567..10688, 10778..10853, 11302..11427		
GI Descrip.	'4538965/emb|CAB39789.1| 4.0e-18 (AL049488) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	2047	Seq. ID	OJ990923_20.9C23.C12
Gene No.	4345	Strand	+
Start	4484	End	19783
Name	OJ990923_20.9C23.C12.o3.gp	Method	AAT/GAP
Start	12966	End	13270
GI	5455403	Score	530
Exons	12966..13270		

Seq. No.	2047	Seq. ID	OJ990923_20.9C23.C12
Gene No.	4345	Strand	+
Start	4484	End	19783
Name	OJ990923_20.9C23.C12.o3.np	Method	AAT/NAP
Start	13426	End	19780
GI	5295971	Score	5282
Exons	13426..13540, 15121..15418, 15474..19780		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	2047	Seq. ID	OJ990923_20.9C23.C12
Gene No.	4346	Strand	-
Start	1234	End	4280
Name	OJ990923_20.9C23.C12.o1.np	Method	AAT/NAP
Start	1234	End	4280

GI	5852080	Score	81
Exons	1234..1256, 2360..2658, 2956..3110, 4250..4280		
GI Descrip.	(AL117264) zwh0003.1 [Oryza sativa]		

Seq. No.	2047	Seq. ID	OJ990923_20.9C23.C12
Gene No.	4346	Strand	-
Start	1234	End	4280
Name	OJ990923_20.9C23.C12.o2.gs	Method	GENSCAN
Start	2331	End	3282
GI	none	Score	.43
Exons	2331..2646, 2769..2881, 2941..3110, 3234..3282		

Seq. No.	2047	Seq. ID	OJ990923_20.9C23.C12
Gene No.	4347	Strand	
Start	8837	End	10853
Name	OJ990923_20.9C23.C12.o4.tc	Method	TBLASTX:Cress
Start	8837	End	9994
GI	none	Score	168
Exons	8837..8959, 8846..8959, 8856..8966, 8857..8967, 9819..9890, 9863..9892, 9937..9993, 9944..9994		

Seq. No.	2047	Seq. ID	OJ990923_20.9C23.C12
Gene No.	4347	Strand	
Start	8837	End	10853
Name	OJ990923_20.9C23.C12.o6.tm	Method	TBLASTX:Maize
Start	8838	End	10680
GI	none	Score	98
Exons	8838..8951, 8840..8956, 8843..8950, 9952..10038, 9954..10037, 10115..10255, 10116..10259, 10123..10281, 10351..10428, 10352..10438, 10566..10679, 10567..10680		

Seq. No.	2047	Seq. ID	OJ990923_20.9C23.C12
Gene No.	4347	Strand	
Start	8837	End	10853
Name	OJ990923_20.9C23.C12.o4.ts	Method	TBLASTX:Soybean
Start	10212	End	10853
GI	none	Score	44
Exons	10212..10259, 10344..10427, 10351..10431, 10352..10474, 10352..10438, 10525..10692, 10620..10691, 10779..10853, 10781..10852		

Seq. No.	2047	Seq. ID	OJ990923_20.9C23.C12
Gene No.	4348	Strand	
Start	15481	End	15761
Name	OJ990923_20.9C23.C12.o8.tm	Method	TBLASTX:Maize
Start	15481	End	15761
GI	none	Score	67
Exons	15481..15549, 15485..15550, 15583..15732, 15599..15685, 15600..15761, 15675..15761		

Seq. No.	2047	Seq. ID	OJ990923_20.9C23.C12
Gene No.	4349	Strand	
Start	15995	End	16703
Name	OJ990923_20.9C23.C12.o3.tm	Method	TBLASTX:Maize
Start	15995	End	16703
GI	none	Score	215
Exons	15995..16228, 15996..16235, 16296..16415, 16355..16402,		

16416..16463, 16441..16491, 16503..16694, 16505..16696, 16506..16703

Seq. No.	2047	Seq. ID	OJ990923_20.9C23.C12
Gene No.	4350	Strand	
Start	16628	End	17081
Name	OJ990923_20.9C23.C12.o1.tw	Method	TBLASTX:Wheat
Start	16628	End	17081
GI	none	Score	344
Exons	16628..16804, 16629..16994, 16629..17009, 17001..17081, 17006..17068		

Seq. No.	2047	Seq. ID	OJ990923_20.9C23.C12
Gene No.	4350	Strand	
Start	16628	End	17081
Name	OJ990923_20.9C23.C12.o7.tm	Method	TBLASTX:Maize
Start	16718	End	16961
GI	none	Score	302
Exons	16718..16807, 16719..16958, 16752..16961, 16753..16959		

Seq. No.	2047	Seq. ID	OJ990923_20.9C23.C12
Gene No.	4351	Strand	
Start	17019	End	17855
Name	OJ990923_20.9C23.C12.o5.ts	Method	TBLASTX:Soybean
Start	17019	End	17345
GI	none	Score	200
Exons	17019..17345, 17115..17195		

Seq. No.	2047	Seq. ID	OJ990923_20.9C23.C12
Gene No.	4351	Strand	
Start	17019	End	17855
Name	OJ990923_20.9C23.C12.o3.tw	Method	TBLASTX:Wheat
Start	17157	End	17705
GI	none	Score	291
Exons	17157..17618, 17375..17518, 17625..17705		

Seq. No.	2047	Seq. ID	OJ990923_20.9C23.C12
Gene No.	4351	Strand	
Start	17019	End	17855
Name	OJ990923_20.9C23.C12.o1.tm	Method	TBLASTX:Maize
Start	17357	End	17783
GI	none	Score	625
Exons	17357..17782, 17361..17783		

Seq. No.	2047	Seq. ID	OJ990923_20.9C23.C12
Gene No.	4351	Strand	
Start	17019	End	17855
Name	OJ990923_20.9C23.C12.o2.ts	Method	TBLASTX:Soybean
Start	17388	End	17855
GI	none	Score	315
Exons	17388..17696, 17393..17683, 17721..17855		

Seq. No.	2047	Seq. ID	OJ990923_20.9C23.C12
Gene No.	4351	Strand	
Start	17019	End	17855
Name	OJ990923_20.9C23.C12.o2.tc	Method	TBLASTX:Cress
Start	17403	End	17843

GI	none	Score	202
Exons	17403..17699, 17444..17485, 17555..17605, 17651..17689, 17721..17843		

Seq. No.	2047	Seq. ID	OJ990923_20.9C23.C12
Gene No.	4352	Strand	
Start	18255	End	19186
Name	OJ990923_20.9C23.C12.o1.ts	Method	TBLASTX:Soybean
Start	18255	End	18716
GI	5509260	Score	412
Exons	18255..18716, 18272..18457, 18578..18664		
GI Descrip.	-		

Seq. No.	2047	Seq. ID	OJ990923_20.9C23.C12
Gene No.	4352	Strand	
Start	18255	End	19186
Name	OJ990923_20.9C23.C12.o5.tm	Method	TBLASTX:Maize
Start	18285	End	18602
GI	none	Score	402
Exons	18285..18602, 18285..18590, 18506..18601		

Seq. No.	2047	Seq. ID	OJ990923_20.9C23.C12
Gene No.	4352	Strand	
Start	18255	End	19186
Name	OJ990923_20.9C23.C12.o3.tc	Method	TBLASTX:Cress
Start	18377	End	18641
GI	none	Score	249
Exons	18377..18457, 18378..18641, 18438..18584		

Seq. No.	2047	Seq. ID	OJ990923_20.9C23.C12
Gene No.	4352	Strand	
Start	18255	End	19186
Name	OJ990923_20.9C23.C12.o2.tw	Method	TBLASTX:Wheat
Start	18423	End	18968
GI	none	Score	271
Exons	18423..18716, 18578..18658, 18744..18968, 18746..18922		

Seq. No.	2047	Seq. ID	OJ990923_20.9C23.C12
Gene No.	4352	Strand	
Start	18255	End	19186
Name	OJ990923_20.9C23.C12.o2.tm	Method	TBLASTX:Maize
Start	18795	End	19186
GI	none	Score	540
Exons	18795..19184, 18795..18854, 18797..19186		

Seq. No.	2047	Seq. ID	OJ990923_20.9C23.C12
Gene No.	4353	Strand	
Start	19101	End	19750
Name	OJ990923_20.9C23.C12.o1.tc	Method	TBLASTX:Cress
Start	19101	End	19750
GI	none	Score	133
Exons	19101..19232, 19232..19375, 19382..19462, 19390..19458, 19529..19750, 19534..19743		

Seq. No.	2047	Seq. ID	OJ990923_20.9C23.C12
Gene No.	4353	Strand	
Start	19101	End	19750

Name	OJ990923_20.9C23.C12.o3.ts	Method	TBLASTX:Soybean
Start	19122	End	19744
GI	none	Score	108
Exons	19122..19232, 19280..19441, 19363..19455, 19523..19744		

Seq. No.	2047	Seq. ID	OJ990923_20.9C23.C12
Gene No.	4353	Strand	
Start	19101	End	19750
Name	OJ990923_20.9C23.C12.o4.tm	Method	TBLASTX:Maize
Start	19358	End	19746
GI	none	Score	452
Exons	19358..19744, 19358..19738, 19363..19746		

Seq. No.	2048	Seq. ID	OJ990923_20.9C23.C13
Gene No.	4354	Strand	+
Start	1198	End	6473
Name	OJ990923_20.9C23.C13.o1.np	Method	AAT/NAP
Start	1198	End	6473
GI	6723390	Score	532
Exons	1198..1248, 2151..2331, 2429..3024, 5102..5192, 5616..5692, 5832..6047, 6446..6473		
GI Descrip.	(AL132956) putative protein [Arabidopsis thaliana]		

Seq. No.	2048	Seq. ID	OJ990923_20.9C23.C13
Gene No.	4354	Strand	+
Start	1198	End	6473
Name	OJ990923_20.9C23.C13.o1.gs	Method	GENSCAN
Start	2043	End	6373
GI	none	Score	.75
Exons	2043..2318, 2422..3024, 3717..4128, 5920..6047, 6347..6373		

Seq. No.	2048	Seq. ID	OJ990923_20.9C23.C13
Gene No.	4354	Strand	+
Start	1198	End	6473
Name	OJ990923_20.9C23.C13.o1.tc	Method	TBLASTX:Cress
Start	2431	End	2688
GI	none	Score	75
Exons	2431..2505, 2503..2688, 2571..2681		

Seq. No.	2048	Seq. ID	OJ990923_20.9C23.C13
Gene No.	4354	Strand	+
Start	1198	End	6473
Name	OJ990923_20.9C23.C13.o1.gp	Method	AAT/GAP
Start	6156	End	6473
GI	LIB3431-056-P1-N1-H6	Score	574
Exons	6156..6473		
GI Descrip.	'3128206 8.0e-52 (AC004077) unknown protein [Arabidopsis thaliana]'		

Seq. No.	2049	Seq. ID	OJ990923_20.9C23.C14
Gene No.	4355	Strand	+
Start	1	End	621
Name	OJ990923_20.9C23.C14.o1.np	Method	AAT/NAP
Start	1	End	621
GI	6723391	Score	71
Exons	1..77, 460..621		
GI Descrip.	(AL132956) putative protein [Arabidopsis thaliana]		

Seq. No.	2049	Seq. ID	OJ990923_20.9C23.C14
Gene No.	4356	Strand	+
Start	880	End	9919
Name	OJ990923_20.9C23.C14.o1.gs	Method	GENSCAN
Start	880	End	9919
GI	none	Score	.8
Exons	880..980, 1560..1650, 3358..3382, 4823..4937, 6328..6650, 6755..7357, 8072..8138, 8564..8691, 9086..9223, 9752..9919		

Seq. No.	2049	Seq. ID	OJ990923_20.9C23.C14
Gene No.	4356	Strand	+
Start	880	End	9919
Name	OJ990923_20.9C23.C14.o2.np	Method	AAT/NAP
Start	6368	End	9913
GI	6723391	Score	752
Exons	6368..6445, 6510..6654, 6747..7357, 8072..8183, 8265..8341, 8476..8691, 9086..9223, 9752..9913		
GI Descrip.	(AL132956) putative protein [Arabidopsis thaliana]		

Seq. No.	2049	Seq. ID	OJ990923_20.9C23.C14
Gene No.	4357	Strand	-
Start	8800	End	10214
Name	OJ990923_20.9C23.C14.o1.gp	Method	AAT/GAP
Start	8800	End	10214
GI	LIB3431-056-P1-N1-H6	Score	930
Exons	8800..9232, 10171..10214		
GI Descrip.	'3128206 8.0e-52 (AC004077) unknown protein [Arabidopsis thaliana]'		

Seq. No.	2049	Seq. ID	OJ990923_20.9C23.C14
Gene No.	4358	Strand	-
Start	10211	End	15118
Name	OJ990923_20.9C23.C14.o1.tc	Method	TBLASTX:Cress
Start	6764	End	7021
GI	none	Score	73
Exons	6764..6838, 6836..7021, 6904..7014		

Seq. No.	2049	Seq. ID	OJ990923_20.9C23.C14
Gene No.	4358	Strand	-
Start	10211	End	15118
Name	OJ990923_20.9C23.C14.o3.np	Method	AAT/NAP
Start	10208	End	14567
GI	3128206	Score	1120
Exons	10208..10306, 10605..10706, 11200..11252, 11364..11433, 11685..11806, 12348..12610, 12982..13094, 13950..14226, 14257..14567		
GI Descrip.	(AC004077) unknown protein [Arabidopsis thaliana]		

Seq. No.	2049	Seq. ID	OJ990923_20.9C23.C14
Gene No.	4358	Strand	-
Start	10211	End	15118
Name	OJ990923_20.9C23.C14.o2.gs	Method	GENSCAN
Start	10211	End	15118
GI	none	Score	.82
Exons	10211..10306, 10608..10706, 10951..11019, 11200..11256, 11356..11433, 11685..11806, 12348..12610, 12982..13094,		

13981..14652, 14661..14780, 14904..14986, 15030..15118

Seq. No.	2049	Seq. ID	OJ990923_20.9C23.C14
Gene No.	4358	Strand	-
Start	10211	End	15118
Name	OJ990923_20.9C23.C14.o2.tm	Method	TBLASTX:Maize
Start	11356	End	12489
GI	none	Score	109
Exons	11356..11436, 11357..11434, 11361..11447, 11685..11807, 11685..11807, 11687..11809, 11734..11844, 12347..12457, 12349..12486, 12349..12489		

Seq. No.	2049	Seq. ID	OJ990923_20.9C23.C14
Gene No.	4358	Strand	-
Start	10211	End	15118
Name	OJ990923_20.9C23.C14.o2.gp	Method	AAT/GAP
Start	11659	End	12568
GI	699654	Score	649
Exons	11659..11806, 12348..12568		
GI Descrip.	3128206 8.0e-52 (AC004077) unknown protein [Arabidopsis thaliana]		

Seq. No.	2049	Seq. ID	OJ990923_20.9C23.C14
Gene No.	4358	Strand	-
Start	10211	End	15118
Name	OJ990923_20.9C23.C14.o2.ts	Method	TBLASTX:Soybean
Start	11679	End	12477
GI	none	Score	124
Exons	11679..11816, 11685..11807, 11711..11809, 12347..12457, 12349..12477		

Seq. No.	2049	Seq. ID	OJ990923_20.9C23.C14
Gene No.	4358	Strand	-
Start	10211	End	15118
Name	OJ990923_20.9C23.C14.o1.tm	Method	TBLASTX:Maize
Start	12559	End	14352
GI	none	Score	85
Exons	12559..12612, 12559..12618, 12560..12628, 12978..13091, 12979..13095, 12981..13094, 13978..14193, 13978..14310, 14217..14276, 14278..14352, 14311..14346		

Seq. No.	2049	Seq. ID	OJ990923_20.9C23.C14
Gene No.	4358	Strand	-
Start	10211	End	15118
Name	OJ990923_20.9C23.C14.o1.ts	Method	TBLASTX:Soybean
Start	12978	End	14220
GI	none	Score	64
Exons	12978..13091, 13039..13095, 13978..14049, 13979..14032, 14008..14172, 14029..14220, 14045..14176		

Seq. No.	2049	Seq. ID	OJ990923_20.9C23.C14
Gene No.	4358	Strand	-
Start	10211	End	15118
Name	OJ990923_20.9C23.C14.o3.gp	Method	AAT/GAP
Start	14020	End	14200
GI	LIB3431-056-P1-K1-H6	Score	325
Exons	14020..14200		

GI Descrip.	'4490313/emb|CAB38804.1| 2.0e-13 (AL035678) putative protein [Arabidopsis thaliana]'		
Seq. No.	2049	Seq. ID	OJ990923_20.9C23.C14
Gene No.	4358	Strand	-
Start	10211	End	15118
Name	OJ990923_20.9C23.C14.o3.ts	Method	TBLASTX:Soybean
Start	14419	End	14562
GI	none	Score	147
Exons	14419..14562, 14420..14530		
Seq. No.	2050	Seq. ID	OJ990923_20.9C23.C15
Gene No.	4359	Strand	+
Start	507	End	1154
Name	OJ990923_20.9C23.C15.o1.gs	Method	GENSCAN
Start	507	End	1062
GI	none	Score	.46
Exons	507..1062		
Seq. No.	2050	Seq. ID	OJ990923_20.9C23.C15
Gene No.	4359	Strand	+
Start	507	End	1154
Name	OJ990923_20.9C23.C15.o1.np	Method	AAT/NAP
Start	960	End	1154
GI	5441880	Score	335
Exons	960..1154		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	2051	Seq. ID	OJ990713_12.9C21.C1
Gene No.	4360	Strand	+
Start	66	End	746
Name	OJ990713_12.9C21.C1.o1.gs	Method	GENSCAN
Start	66	End	711
GI	none	Score	.67
Exons	66..146, 649..711		
Seq. No.	2051	Seq. ID	OJ990713_12.9C21.C1
Gene No.	4360	Strand	+
Start	66	End	746
Name	OJ990713_12.9C21.C1.o2.np	Method	AAT/NAP
Start	251	End	746
GI	5922623	Score	87
Exons	251..335, 712..746		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	2051	Seq. ID	OJ990713_12.9C21.C1
Gene No.	4361	Strand	-
Start	1	End	173
Name	OJ990713_12.9C21.C1.o1.np	Method	AAT/NAP
Start	1	End	173
GI	6721562	Score	232
Exons	1..173		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster;		

hypothetical protein. (AF031569) [Oryza sativa]
gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]

Seq. No.	2051	Seq. ID	OJ990713_12.9C21.C1
Gene No.	4362	Strand	-
Start	561	End	746
Name	OJ990713_12.9C21.C1.o3.np	Method	AAT/NAP
Start	561	End	746
GI	6721562	Score	75
Exons	561..746		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	2052	Seq. ID	OJ990713_12.9C21.C2
Gene No.	4363	Strand	+
Start	1693	End	6147
Name	OJ990713_12.9C21.C2.o1.gs	Method	GENSCAN
Start	1693	End	6134
GI	none	Score	.62
Exons	1693..1839, 1844..2254, 2819..2920, 3237..3749, 4639..4731, 5732..5902, 5995..6060, 6108..6134		

Seq. No.	2052	Seq. ID	OJ990713_12.9C21.C2
Gene No.	4363	Strand	+
Start	1693	End	6147
Name	OJ990713_12.9C21.C2.o1.np	Method	AAT/NAP
Start	1790	End	6147
GI	791146	Score	183
Exons	1790..1830, 2156..2216, 5400..6147		
GI Descrip.	(X86028) extensin-like protein [Vigna unguiculata]		

Seq. No.	2052	Seq. ID	OJ990713_12.9C21.C2
Gene No.	4364	Strand	-
Start	6245	End	8698
Name	OJ990713_12.9C21.C2.o2.gs	Method	GENSCAN
Start	6245	End	8698
GI	none	Score	.81
Exons	6245..6532, 6667..6887, 8692..8698		

Seq. No.	2053	Seq. ID	OJ990713_12.9C21.C3
Gene No.	4365	Strand	+
Start	1052	End	5159
Name	OJ990713_12.9C21.C3.o1.gs	Method	GENSCAN
Start	1052	End	1751
GI	none	Score	.69
Exons	1052..1122, 1643..1751		

Seq. No.	2053	Seq. ID	OJ990713_12.9C21.C3
Gene No.	4365	Strand	+
Start	1052	End	5159
Name	OJ990713_12.9C21.C3.o1.np	Method	AAT/NAP
Start	1559	End	3956

GI	5734709	Score	83
Exons	1559..1684, 3546..3956		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	2053	Seq. ID	OJ990713_12.9C21.C3
Gene No.	4365	Strand	+
Start	1052	End	5159
Name	OJ990713_12.9C21.C3.o2.gs	Method	GENSCAN
Start	3023	End	5159
GI	none	Score	.67
Exons	3023..3219, 3815..3921, 4120..4252, 5144..5159		

Seq. No.	2054	Seq. ID	OJ990713_12.9C21.C4
Gene No.	4366	Strand	+
Start	133	End	2126
Name	OJ990713_12.9C21.C4.o1.np	Method	AAT/NAP
Start	133	End	2126
GI	5042451	Score	320
Exons	133..612, 2016..2126		
GI Descrip.	(AC007789) hypothetical protein [Oryza sativa]		

Seq. No.	2054	Seq. ID	OJ990713_12.9C21.C4
Gene No.	4367	Strand	-
Start	809	End	5619
Name	OJ990713_12.9C21.C4.o2.np	Method	AAT/NAP
Start	809	End	5612
GI	4680207	Score	1011
Exons	809..872, 2289..4125, 4787..5612		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	2054	Seq. ID	OJ990713_12.9C21.C4
Gene No.	4367	Strand	-
Start	809	End	5619
Name	OJ990713_12.9C21.C4.o2.gs	Method	GENSCAN
Start	2250	End	5619
GI	none	Score	.79
Exons	2250..3632, 3804..3999, 4177..4209, 4787..5619		

Seq. No.	2054	Seq. ID	OJ990713_12.9C21.C4
Gene No.	4367	Strand	-
Start	809	End	5619
Name	OJ990713_12.9C21.C4.o1.tm	Method	TBLASTX:Maize
Start	2355	End	2580
GI	none	Score	219
Exons	2355..2579, 2356..2580		

Seq. No.	2054	Seq. ID	OJ990713_12.9C21.C4
Gene No.	4367	Strand	-
Start	809	End	5619
Name	OJ990713_12.9C21.C4.o1.ts	Method	TBLASTX:Soybean
Start	3078	End	4169
GI	none	Score	63
Exons	3078..3257, 3082..3240, 3420..3548, 3582..3641, 3660..3977, 3672..3800, 4080..4169		

Seq. No.	2054	Seq. ID	OJ990713_12.9C21.C4
Gene No.	4367	Strand	-
Start	809	End	5619
Name	OJ990713_12.9C21.C4.o1.tc	Method	TBLASTX:Cress
Start	3486	End	5022
GI	none	Score	50
Exons	3486..3548, 3666..3818, 3756..3821, 3873..4007, 3879..4019, 4110..4217, 4960..5022, 4964..5017		

Seq. No.	2054	Seq. ID	OJ990713_12.9C21.C4
Gene No.	4367	Strand	-
Start	809	End	5619
Name	OJ990713_12.9C21.C4.o2.tm	Method	TBLASTX:Maize
Start	3627	End	3891
GI	none	Score	133
Exons	3627..3887, 3631..3891		

Seq. No.	2054	Seq. ID	OJ990713_12.9C21.C4
Gene No.	4367	Strand	-
Start	809	End	5619
Name	OJ990713_12.9C21.C4.o1.tw	Method	TBLASTX:Wheat
Start	3667	End	3971
GI	none	Score	80
Exons	3667..3867, 3667..3801, 3669..3866, 3875..3934, 3877..3933, 3879..3971		

Seq. No.	2055	Seq. ID	OJ990713_12.9C21.C5
Gene No.	4368	Strand	+
Start	3938	End	6739
Name	OJ990713_12.9C21.C5.o1.np	Method	AAT/NAP
Start	3938	End	6739
GI	2499819	Score	241
Exons	3938..3995, 4921..5015, 5098..5212, 6443..6739		
GI Descrip.	ASPARTIC PROTEINASE ORYZASIN 1 PRECURSOR gi|2130068|pir||S66516 aspartic proteinase 1 precursor - rice gi|1030715|dbj|BAA06876.1| (D32165) aspartic protease [Oryza sativa] gi|1711289|dbj|BAA06875| (D32144) aspartic protease [Oryza sativa]		

Seq. No.	2055	Seq. ID	OJ990713_12.9C21.C5
Gene No.	4368	Strand	+
Start	3938	End	6739
Name	OJ990713_12.9C21.C5.o1.gp	Method	AAT/GAP
Start	6260	End	6475
GI	LIB3431-013-P1-K1-G10	Score	301
Exons	6260..6475		
GI Descrip.	'130959/sp|P20698|PRO7_ORYSA 6.0e-35 PROLAMIN PPROL 17 PRECURSOR >gi_82504_pir__JA0167 prolamin 17 precursor - rice >gi_557590 (M23745) prolamine [Oryza sativa]'		

Seq. No.	2055	Seq. ID	OJ990713_12.9C21.C5
Gene No.	4369	Strand	-
Start	1546	End	3788
Name	OJ990713_12.9C21.C5.o1.gs	Method	GENSCAN
Start	1546	End	3788
GI	none	Score	.4
Exons	1546..1659, 2148..2372, 2628..2709, 2884..3153, 3253..3373,		

3635..3788

Seq. No.	2055	Seq. ID	OJ990713_12.9C21.C5
Gene No.	4370	Strand	
Start	3938	End	5234
Name	OJ990713_12.9C21.C5.o1.tm	Method	TBLASTX:Maize
Start	3938	End	5234
GI	none	Score	34
Exons	3938..3955, 3947..3997, 4919..5023, 4920..5015, 4920..5027, 4921..5058, 5096..5125, 5097..5132, 5132..5212, 5133..5210, 5134..5226, 5136..5234, 5137..5211		

Seq. No.	2055	Seq. ID	OJ990713_12.9C21.C5
Gene No.	4370	Strand	
Start	3938	End	5234
Name	OJ990713_12.9C21.C5.o1.tc	Method	TBLASTX:Cress
Start	4919	End	5210
GI	none	Score	125
Exons	4919..5023, 4920..5015, 5133..5210		

Seq. No.	2056	Seq. ID	OJ990713_12.9C21.C6
Gene No.	4371	Strand	+
Start	2917	End	10597
Name	OJ990713_12.9C21.C6.o2.np	Method	AAT/NAP
Start	2917	End	8729
GI	6069646	Score	334
Exons	2917..2959, 5906..6461, 8696..8729		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	2056	Seq. ID	OJ990713_12.9C21.C6
Gene No.	4371	Strand	+
Start	2917	End	10597
Name	OJ990713_12.9C21.C6.o2.gs	Method	GENSCAN
Start	6805	End	10597
GI	none	Score	.59
Exons	6805..6925, 6960..7042, 7638..7787, 9384..9490, 9539..9879, 9959..10134, 10511..10597		

Seq. No.	2056	Seq. ID	OJ990713_12.9C21.C6
Gene No.	4372	Strand	+
Start	25151	End	25470
Name	OJ990713_12.9C21.C6.o7.gs	Method	GENSCAN
Start	25151	End	25470
GI	none	Score	.84
Exons	25151..25163, 25241..25470		

Seq. No.	2056	Seq. ID	OJ990713_12.9C21.C6
Gene No.	4373	Strand	+
Start	26155	End	27641
Name	OJ990713_12.9C21.C6.o8.gs	Method	GENSCAN
Start	26155	End	27641
GI	none	Score	.88
Exons	26155..26207, 26364..26617, 26675..26787, 27234..27416,		

27480..27641

Seq. No.	2056	Seq. ID	OJ990713_12.9C21.C6
Gene No.	4374	Strand	+
Start	29191	End	36008
Name	OJ990713_12.9C21.C6.o9.gs	Method	GENSCAN
Start	29191	End	35792
GI	none	Score	.43
Exons	29191..29277, 29514..29720, 29777..30546, 30564..32220, 32284..32975, 33086..35792		

Seq. No.	2056	Seq. ID	OJ990713_12.9C21.C6
Gene No.	4374	Strand	+
Start	29191	End	36008
Name	OJ990713_12.9C21.C6.o5.np	Method	AAT/NAP
Start	30300	End	36008
GI	6498441	Score	6817
Exons	30300..30448, 30511..31426, 31757..32220, 32284..32657, 32841..32975, 33149..33563, 33756..34064, 34236..35633, 35727..36008		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	2056	Seq. ID	OJ990713_12.9C21.C6
Gene No.	4375	Strand	+
Start	36172	End	36633
Name	OJ990713_12.9C21.C6.o1.gp	Method	AAT/GAP
Start	36172	End	36633
GI	2428323	Score	854
Exons	36172..36633		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	2056	Seq. ID	OJ990713_12.9C21.C6
Gene No.	4376	Strand	-
Start	2849	End	4237
Name	OJ990713_12.9C21.C6.o1.gs	Method	GENSCAN
Start	2849	End	4222
GI	none	Score	.91
Exons	2849..3727, 3827..4222		

Seq. No.	2056	Seq. ID	OJ990713_12.9C21.C6
Gene No.	4376	Strand	-
Start	2849	End	4237
Name	OJ990713_12.9C21.C6.o1.np	Method	AAT/NAP
Start	2855	End	4237
GI	5734504	Score	695
Exons	2855..3364, 3443..3719, 3819..4237		
GI Descrip.	(AJ245878) serpin [Triticum aestivum]		

Seq. No.	2056	Seq. ID	OJ990713_12.9C21.C6
Gene No.	4377	Strand	-
Start	11512	End	18663
Name	OJ990713_12.9C21.C6.o3.gs	Method	GENSCAN
Start	11512	End	12823
GI	none	Score	.96

Exons	11512..12366, 12464..12823		
Seq. No.	2056	Seq. ID	OJ990713_12.9C21.C6
Gene No.	4377	Strand	-
Start	11512	End	18663
Name	OJ990713_12.9C21.C6.o3.np	Method	AAT/NAP
Start	11515	End	12838
GI	5734504	Score	630
Exons	11515..12027, 12082..12406, 12465..12838		
GI Descrip.	(AJ245878) serpin [Triticum aestivum]		
Seq. No.	2056	Seq. ID	OJ990713_12.9C21.C6
Gene No.	4377	Strand	-
Start	11512	End	18663
Name	OJ990713_12.9C21.C6.o4.np	Method	AAT/NAP
Start	12246	End	18663
GI	2130110	Score	316
Exons	12246..12312, 17856..18130, 18218..18663		
GI Descrip.	serpin - wheat gi|871551|emb|CAA90071| (Z49890) serpin [Triticum aestivum]		
Seq. No.	2056	Seq. ID	OJ990713_12.9C21.C6
Gene No.	4378	Strand	-
Start	19768	End	20348
Name	OJ990713_12.9C21.C6.o5.gs	Method	GENSCAN
Start	19768	End	20348
GI	none	Score	.74
Exons	19768..19909, 20338..20348		
Seq. No.	2056	Seq. ID	OJ990713_12.9C21.C6
Gene No.	4379	Strand	-
Start	21219	End	22322
Name	OJ990713_12.9C21.C6.o6.gs	Method	GENSCAN
Start	21219	End	22322
GI	none	Score	.98
Exons	21219..22322		
Seq. No.	2056	Seq. ID	OJ990713_12.9C21.C6
Gene No.	4380	Strand	-
Start	36641	End	39844
Name	OJ990713_12.9C21.C6.o1.tm	Method	TBLASTX:Maize
Start	2867	End	18130
GI	none	Score	135
Exons	2867..3076, 2868..3050, 3077..3124, 3122..3253, 3183..3218, 3272..3358, 3303..3359, 3441..3698, 3443..3709, 11527..11631, 11779..11877, 11795..11869, 11938..12000, 11966..12025, 12076..12348, 12080..12337, 17855..18130, 17856..18119		
Seq. No.	2056	Seq. ID	OJ990713_12.9C21.C6
Gene No.	4380	Strand	-
Start	36641	End	39844
Name	OJ990713_12.9C21.C6.o1.ts	Method	TBLASTX:Soybean
Start	2867	End	18163
GI	none	Score	86
Exons	2867..3007, 2868..2954, 2957..3076, 2958..3050, 3119..3253, 3272..3358, 3443..3742, 3447..3542, 3588..3704, 3833..3982, 3899..3982, 4058..4135, 4107..4133, 11527..11742, 11528..11614,		

11770..11964, 11929..12000, 12082..12348, 12086..12181,
12227..12343, 12485..12736, 12491..12583, 17853..18125,
17855..18163

Seq. No.	2056	Seq. ID	OJ990713_12.9C21.C6
Gene No.	4380	Strand	-
Start	36641	End	39844
Name	OJ990713_12.9C21.C6.o4.tm	Method	TBLASTX:Maize
Start	5889	End	6305
GI	none	Score	336
Exons	5889..6305, 5900..6202		

Seq. No.	2056	Seq. ID	OJ990713_12.9C21.C6
Gene No.	4380	Strand	-
Start	36641	End	39844
Name	OJ990713_12.9C21.C6.o6.tm	Method	TBLASTX:Maize
Start	21271	End	21552
GI	none	Score	203
Exons	21271..21468, 21282..21470, 21513..21551, 21514..21552		

Seq. No.	2056	Seq. ID	OJ990713_12.9C21.C6
Gene No.	4380	Strand	-
Start	36641	End	39844
Name	OJ990713_12.9C21.C6.o2.ts	Method	TBLASTX:Soybean
Start	21282	End	21912
GI	none	Score	41
Exons	21282..21461, 21516..21686, 21696..21755, 21724..21756, 21822..21911, 21862..21912		

Seq. No.	2056	Seq. ID	OJ990713_12.9C21.C6
Gene No.	4380	Strand	-
Start	36641	End	39844
Name	OJ990713_12.9C21.C6.o1.tc	Method	TBLASTX:Cress
Start	21516	End	22220
GI	none	Score	49
Exons	21516..21686, 21526..21582, 21702..21761, 21712..21753, 21819..21911, 21862..21912, 21984..22007, 22050..22220, 22105..22206		

Seq. No.	2056	Seq. ID	OJ990713_12.9C21.C6
Gene No.	4380	Strand	-
Start	36641	End	39844
Name	OJ990713_12.9C21.C6.o7.tm	Method	TBLASTX:Maize
Start	21690	End	21987
GI	none	Score	94
Exons	21690..21779, 21712..21780, 21819..21911, 21862..21987		

Seq. No.	2056	Seq. ID	OJ990713_12.9C21.C6
Gene No.	4380	Strand	-
Start	36641	End	39844
Name	OJ990713_12.9C21.C6.o7.tw	Method	TBLASTX:Wheat
Start	30511	End	30903
GI	none	Score	58
Exons	30511..30558, 30568..30663, 30570..30662, 30630..30869, 30646..30903		

Seq. No.	2056	Seq. ID	OJ990713_12.9C21.C6

Gene No.	4380	Strand	-
Start	36641	End	39844
Name	OJ990713_12.9C21.C6.o3.tw	Method	TBLASTX:Wheat
Start	31641	End	32127
GI	none	Score	408
Exons	31641..31814, 31642..32127, 31836..32096, 31906..32100		

Seq. No.	2056	Seq. ID	OJ990713_12.9C21.C6
Gene No.	4380	Strand	-
Start	36641	End	39844
Name	OJ990713_12.9C21.C6.o1.tw	Method	TBLASTX:Wheat
Start	32291	End	32754
GI	none	Score	202
Exons	32291..32734, 32292..32747, 32293..32754, 32293..32748		

Seq. No.	2056	Seq. ID	OJ990713_12.9C21.C6
Gene No.	4380	Strand	-
Start	36641	End	39844
Name	OJ990713_12.9C21.C6.o5.ts	Method	TBLASTX:Soybean
Start	32332	End	32697
GI	none	Score	113
Exons	32332..32556, 32563..32697		

Seq. No.	2056	Seq. ID	OJ990713_12.9C21.C6
Gene No.	4380	Strand	-
Start	36641	End	39844
Name	OJ990713_12.9C21.C6.o2.tm	Method	TBLASTX:Maize
Start	32422	End	32778
GI	none	Score	392
Exons	32422..32778, 32457..32768, 32473..32778		

Seq. No.	2056	Seq. ID	OJ990713_12.9C21.C6
Gene No.	4380	Strand	-
Start	36641	End	39844
Name	OJ990713_12.9C21.C6.o5.tm	Method	TBLASTX:Maize
Start	32805	End	33188
GI	none	Score	279
Exons	32805..33083, 32806..33084, 33078..33188		

Seq. No.	2056	Seq. ID	OJ990713_12.9C21.C6
Gene No.	4380	Strand	-
Start	36641	End	39844
Name	OJ990713_12.9C21.C6.o2.tw	Method	TBLASTX:Wheat
Start	32862	End	33281
GI	none	Score	274
Exons	32862..33083, 32863..33093, 32965..33084, 33075..33281, 33101..33274		

Seq. No.	2056	Seq. ID	OJ990713_12.9C21.C6
Gene No.	4380	Strand	-
Start	36641	End	39844
Name	OJ990713_12.9C21.C6.o3.ts	Method	TBLASTX:Soybean
Start	32941	End	33311
GI	none	Score	154
Exons	32941..33084, 32958..33083, 33081..33311		

Seq. No.	2056	Seq. ID	OJ990713_12.9C21.C6

Gene No.	4380	Strand	-
Start	36641	End	39844
Name	OJ990713_12.9C21.C6.o5.tw	Method	TBLASTX:Wheat
Start	33936	End	34370
GI	none	Score	235
Exons	33936..34187, 33936..34133, 34001..34177, 34221..34370, 34230..34367, 34232..34369		

Seq. No.	2056	Seq. ID	OJ990713_12.9C21.C6
Gene No.	4380	Strand	-
Start	36641	End	39844
Name	OJ990713_12.9C21.C6.o4.ts	Method	TBLASTX:Soybean
Start	34059	End	34625
GI	5666795	Score	68
Exons	34059..34157, 34233..34370, 34425..34625		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	2056	Seq. ID	OJ990713_12.9C21.C6
Gene No.	4380	Strand	-
Start	36641	End	39844
Name	OJ990713_12.9C21.C6.o8.tw	Method	TBLASTX:Wheat
Start	34373	End	34685
GI	none	Score	192
Exons	34373..34549, 34425..34685		

Seq. No.	2056	Seq. ID	OJ990713_12.9C21.C6
Gene No.	4380	Strand	-
Start	36641	End	39844
Name	OJ990713_12.9C21.C6.o3.tm	Method	TBLASTX:Maize
Start	34878	End	35201
GI	none	Score	362
Exons	34878..35201, 34895..35188		

Seq. No.	2056	Seq. ID	OJ990713_12.9C21.C6
Gene No.	4380	Strand	-
Start	36641	End	39844
Name	OJ990713_12.9C21.C6.o4.tw	Method	TBLASTX:Wheat
Start	35015	End	35396
GI	none	Score	375
Exons	35015..35071, 35016..35396, 35117..35365		

Seq. No.	2056	Seq. ID	OJ990713_12.9C21.C6
Gene No.	4380	Strand	-
Start	36641	End	39844
Name	OJ990713_12.9C21.C6.o6.tw	Method	TBLASTX:Wheat
Start	35397	End	35999
GI	none	Score	267
Exons	35397..35693, 35401..35472, 35402..35500, 35537..35680, 35769..35843, 35873..35995, 35874..35999		

Seq. No.	2056	Seq. ID	OJ990713_12.9C21.C6
Gene No.	4380	Strand	-
Start	36641	End	39844
Name	OJ990713_12.9C21.C6.o8.tm	Method	TBLASTX:Maize
Start	35868	End	36049
GI	none	Score	192
Exons	35868..36035, 35873..36049		

Seq. No.	2056	Seq. ID	OJ990713_12.9C21.C6
Gene No.	4380	Strand	-
Start	36641	End	39844
Name	OJ990713_12.9C21.C6.o10.gs	Method	GENSCAN
Start	36641	End	39844
GI	none	Score	.91
Exons	36641..37438, 37461..38487, 38583..39844		

Seq. No.	2056	Seq. ID	OJ990713_12.9C21.C6
Gene No.	4380	Strand	-
Start	36641	End	39844
Name	OJ990713_12.9C21.C6.o6.np	Method	AAT/NAP
Start	36644	End	39844
GI	5803259	Score	5062
Exons	36644..38487, 38583..39844		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	2057	Seq. ID	OJ990713_12.9C21.C7
Gene No.	4381	Strand	+
Start	1	End	3085
Name	OJ990713_12.9C21.C7.o1.np	Method	AAT/NAP
Start	1	End	519
GI	5042454	Score	191
Exons	1..227, 466..519		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	2057	Seq. ID	OJ990713_12.9C21.C7
Gene No.	4381	Strand	+
Start	1	End	3085
Name	OJ990713_12.9C21.C7.o1.gs	Method	GENSCAN
Start	141	End	3085
GI	none	Score	.53
Exons	141..227, 466..636, 1298..1355, 1891..1960, 2604..2858, 2992..3085		

Seq. No.	2057	Seq. ID	OJ990713_12.9C21.C7
Gene No.	4382	Strand	-
Start	5373	End	13831
Name	OJ990713_12.9C21.C7.o2.gs	Method	GENSCAN
Start	5373	End	13831
GI	none	Score	.43
Exons	5373..5453, 5507..6494, 7547..7667, 7704..7784, 7850..8081, 8336..8603, 8696..8994, 9087..9855, 9938..10088, 10642..10755, 11091..11696, 11762..13254, 13632..13831		

Seq. No.	2057	Seq. ID	OJ990713_12.9C21.C7
Gene No.	4382	Strand	-
Start	5373	End	13831
Name	OJ990713_12.9C21.C7.o2.np	Method	AAT/NAP
Start	5397	End	6457
GI	6729022	Score	421
Exons	5397..6457		
GI Descrip.	(AC009177) unknown protein [Arabidopsis thaliana]		

Seq. No.	2057	Seq. ID	OJ990713_12.9C21.C7
Gene No.	4382	Strand	-

Start	5373	End	13831
Name	OJ990713_12.9C21.C7.o3.np	Method	AAT/NAP
Start	7157	End	12716
GI	5441880	Score	1297
Exons	7157..7401, 7810..8066, 8369..8589, 8688..8988, 9507..9812, 9919..10092, 10661..10956, 11218..11267, 11709..12716		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	2057	Seq. ID	OJ990713_12.9C21.C7
Gene No.	4383	Strand	-
Start	15339	End	17560
Name	OJ990713_12.9C21.C7.o3.tm	Method	TBLASTX:Maize
Start	5409	End	5690
GI	none	Score	50
Exons	5409..5489, 5416..5493, 5458..5490, 5487..5597, 5487..5516, 5489..5599, 5574..5690, 5651..5689		

Seq. No.	2057	Seq. ID	OJ990713_12.9C21.C7
Gene No.	4383	Strand	-
Start	15339	End	17560
Name	OJ990713_12.9C21.C7.o1.ts	Method	TBLASTX:Soybean
Start	5495	End	6109
GI	none	Score	74
Exons	5495..5599, 5654..5809, 5655..5798, 5834..5893, 5963..6109		

Seq. No.	2057	Seq. ID	OJ990713_12.9C21.C7
Gene No.	4383	Strand	-
Start	15339	End	17560
Name	OJ990713_12.9C21.C7.o1.tc	Method	TBLASTX:Cress
Start	5654	End	6118
GI	none	Score	78
Exons	5654..5815, 5664..5798, 5840..5899, 5960..6118		

Seq. No.	2057	Seq. ID	OJ990713_12.9C21.C7
Gene No.	4383	Strand	-
Start	15339	End	17560
Name	OJ990713_12.9C21.C7.o2.tm	Method	TBLASTX:Maize
Start	5831	End	6127
GI	none	Score	67
Exons	5831..5917, 5850..5894, 5960..6118, 6003..6065, 6035..6127, 6040..6126		

Seq. No.	2057	Seq. ID	OJ990713_12.9C21.C7
Gene No.	4383	Strand	-
Start	15339	End	17560
Name	OJ990713_12.9C21.C7.o5.tm	Method	TBLASTX:Maize
Start	6212	End	6439
GI	none	Score	60
Exons	6212..6295, 6213..6281, 6332..6439, 6336..6434		

Seq. No.	2057	Seq. ID	OJ990713_12.9C21.C7
Gene No.	4383	Strand	-
Start	15339	End	17560
Name	OJ990713_12.9C21.C7.o2.tw	Method	TBLASTX:Wheat
Start	9444	End	9773

GI	none	Score	100
Exons	9444..9476, 9513..9548, 9582..9710, 9583..9711, 9720..9773, 9727..9765		

Seq. No.	2057	Seq. ID	OJ990713_12.9C21.C7
Gene No.	4383	Strand	-
Start	15339	End	17560
Name	OJ990713_12.9C21.C7.o1.tw	Method	TBLASTX:Wheat
Start	11470	End	11855
GI	none	Score	71
Exons	11470..11667, 11547..11633, 11566..11655, 11612..11659, 11680..11796, 11708..11794, 11748..11855		

Seq. No.	2057	Seq. ID	OJ990713_12.9C21.C7
Gene No.	4383	Strand	-
Start	15339	End	17560
Name	OJ990713_12.9C21.C7.o1.tm	Method	TBLASTX:Maize
Start	11566	End	12147
GI	none	Score	117
Exons	11566..11646, 11686..11793, 11791..11994, 11799..11993, 11994..12146, 12025..12147		

Seq. No.	2057	Seq. ID	OJ990713_12.9C21.C7
Gene No.	4383	Strand	-
Start	15339	End	17560
Name	OJ990713_12.9C21.C7.o3.gs	Method	GENSCAN
Start	15339	End	16604
GI	none	Score	.86
Exons	15339..15347, 15939..16604		

Seq. No.	2057	Seq. ID	OJ990713_12.9C21.C7
Gene No.	4383	Strand	-
Start	15339	End	17560
Name	OJ990713_12.9C21.C7.o4.tm	Method	TBLASTX:Maize
Start	15958	End	16154
GI	none	Score	169
Exons	15958..16152, 15978..16154, 16068..16154		

Seq. No.	2057	Seq. ID	OJ990713_12.9C21.C7
Gene No.	4383	Strand	-
Start	15339	End	17560
Name	OJ990713_12.9C21.C7.o4.np	Method	AAT/NAP
Start	15989	End	17560
GI	6041835	Score	117
Exons	15989..16316, 17537..17560		
GI Descrip.	(AC009853) unknown protein [Arabidopsis thaliana]		

Seq. No.	2057	Seq. ID	OJ990713_12.9C21.C7
Gene No.	4383	Strand	-
Start	15339	End	17560
Name	OJ990713_12.9C21.C7.o5.np	Method	AAT/NAP
Start	15989	End	16568
GI	4572669	Score	127
Exons	15989..16568		
GI Descrip.	(AC006954) putative glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	2058	Seq. ID	OJ990713_12.9C21.C8

Gene No.	4384	Strand	-
Start	1181	End	3365
Name	OJ990713_12.9C21.C8.o1.gs	Method	GENSCAN
Start	1181	End	3365
GI	none	Score	.98
Exons	1181..1449, 3329..3365		

Seq. No.	2059	Seq. ID	OJ990713_12.9C21.C9
Gene No.	4385	Strand	-
Start	447	End	564
Name	OJ990713_12.9C21.C9.o1.gs	Method	GENSCAN
Start	447	End	564
GI	none	Score	.66
Exons	447..564		

Seq. No.	2060	Seq. ID	OJ990713_12.9C21.C10
Gene No.	4386	Strand	+
Start	278	End	435
Name	OJ990713_12.9C21.C10.o1.gs	Method	GENSCAN
Start	278	End	435
GI	none	Score	.7
Exons	278..435		

Seq. No.	2060	Seq. ID	OJ990713_12.9C21.C10
Gene No.	4387	Strand	+
Start	1538	End	1979
Name	OJ990713_12.9C21.C10.o1.gp	Method	AAT/GAP
Start	1538	End	1979
GI	none	Score	880
Exons	1538..1979		

Seq. No.	2060	Seq. ID	OJ990713_12.9C21.C10
Gene No.	4388	Strand	-
Start	1	End	750
Name	OJ990713_12.9C21.C10.o1.np	Method	AAT/NAP
Start	1	End	750
GI	6630697	Score	70
Exons	1..46, 607..750		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa]		

Seq. No.	2060	Seq. ID	OJ990713_12.9C21.C10
Gene No.	4389	Strand	-
Start	1866	End	2983
Name	OJ990713_12.9C21.C10.o2.gs	Method	GENSCAN
Start	1866	End	2921
GI	none	Score	.82
Exons	1866..2921		

Seq. No.	2060	Seq. ID	OJ990713_12.9C21.C10
Gene No.	4389	Strand	-
Start	1866	End	2983
Name	OJ990713_12.9C21.C10.o2.np	Method	AAT/NAP
Start	1878	End	2930
GI	6729022	Score	425
Exons	1878..2930		
GI Descrip.	(AC009177) unknown protein [Arabidopsis thaliana]		

Seq. No.	2060	Seq. ID	OJ990713_12.9C21.C10
Gene No.	4389	Strand	-
Start	1866	End	2983
Name	OJ990713_12.9C21.C10.o2.gp	Method	AAT/GAP
Start	2548	End	2983
GI	none	Score	779
Exons	2548..2983		

Seq. No.	2060	Seq. ID	OJ990713_12.9C21.C10
Gene No.	4390	Strand	-
Start	5792	End	6592
Name	OJ990713_12.9C21.C10.o2.tm	Method	TBLASTX:Maize
Start	1887	End	2172
GI	none	Score	148
Exons	1887..2060, 1887..2081, 1888..2079, 2056..2172, 2133..2171		

Seq. No.	2060	Seq. ID	OJ990713_12.9C21.C10
Gene No.	4390	Strand	-
Start	5792	End	6592
Name	OJ990713_12.9C21.C10.o1.tc	Method	TBLASTX:Cress
Start	2142	End	2826
GI	none	Score	78
Exons	2142..2297, 2146..2280, 2322..2381, 2332..2382, 2442..2636, 2634..2825, 2719..2826		

Seq. No.	2060	Seq. ID	OJ990713_12.9C21.C10
Gene No.	4390	Strand	-
Start	5792	End	6592
Name	OJ990713_12.9C21.C10.o1.ts	Method	TBLASTX:Soybean
Start	2175	End	2892
GI	none	Score	99
Exons	2175..2291, 2176..2280, 2322..2390, 2341..2376, 2439..2636, 2485..2535, 2605..2634, 2661..2891, 2662..2892		

Seq. No.	2060	Seq. ID	OJ990713_12.9C21.C10
Gene No.	4390	Strand	-
Start	5792	End	6592
Name	OJ990713_12.9C21.C10.o1.tm	Method	TBLASTX:Maize
Start	2313	End	2609
GI	none	Score	81
Exons	2313..2399, 2332..2382, 2442..2609, 2485..2547		

Seq. No.	2060	Seq. ID	OJ990713_12.9C21.C10
Gene No.	4390	Strand	-
Start	5792	End	6592
Name	OJ990713_12.9C21.C10.o1.tw	Method	TBLASTX:Wheat
Start	2445	End	2820
GI	none	Score	57
Exons	2445..2648, 2485..2541, 2517..2633, 2602..2637, 2667..2765, 2668..2820		

Seq. No.	2060	Seq. ID	OJ990713_12.9C21.C10
Gene No.	4390	Strand	-
Start	5792	End	6592
Name	OJ990713_12.9C21.C10.o3.tm	Method	TBLASTX:Maize
Start	2679	End	2912
GI	none	Score	91

Exons	2679..2771, 2680..2772, 2754..2912, 2797..2898		
Seq. No.	2060	Seq. ID	OJ990713_12.9C21.C10
Gene No.	4390	Strand	-
Start	5792	End	6592
Name	OJ990713_12.9C21.C10.o3.gs	Method	GENSCAN
Start	5792	End	6592
GI	none	Score	.51
Exons	5792..5798, 6480..6592		
Seq. No.	2061	Seq. ID	OJ990713_12.9C21.C13
Gene No.	4391	Strand	+
Start	1295	End	4066
Name	OJ990713_12.9C21.C13.o1.gs	Method	GENSCAN
Start	1295	End	4066
GI	none	Score	1
Exons	1295..1528, 3962..4066		
Seq. No.	2062	Seq. ID	OJ990713_12.9C21.C14
Gene No.	4392	Strand	+
Start	117	End	1572
Name	OJ990713_12.9C21.C14.o1.gs	Method	GENSCAN
Start	117	End	1555
GI	none	Score	.85
Exons	117..203, 806..859, 956..1101, 1211..1337, 1394..1555		
Seq. No.	2062	Seq. ID	OJ990713_12.9C21.C14
Gene No.	4392	Strand	+
Start	117	End	1572
Name	OJ990713_12.9C21.C14.o1.tm	Method	TBLASTX:Maize
Start	147	End	1572
GI	none	Score	63
Exons	147..194, 154..201, 798..860, 803..862, 955..990, 956..1102, 1008..1061, 1062..1106, 1202..1324, 1228..1329, 1230..1349, 1230..1328, 1403..1555, 1411..1557, 1417..1572		
Seq. No.	2062	Seq. ID	OJ990713_12.9C21.C14
Gene No.	4392	Strand	+
Start	117	End	1572
Name	OJ990713_12.9C21.C14.o1.tw	Method	TBLASTX:Wheat
Start	1415	End	1560
GI	none	Score	204
Exons	1415..1555, 1423..1560, 1423..1554		
Seq. No.	2063	Seq. ID	OJ990713_12.9C21.C17
Gene No.	4393	Strand	+
Start	439	End	566
Name	OJ990713_12.9C21.C17.o1.gs	Method	GENSCAN
Start	439	End	566
GI	none	Score	.8
Exons	439..566		
Seq. No.	2063	Seq. ID	OJ990713_12.9C21.C17
Gene No.	4394	Strand	+
Start	937	End	1041
Name	OJ990713_12.9C21.C17.o1.gp	Method	AAT/GAP
Start	937	End	1041

GI	none	Score	184
Exons	937..1041		

Seq. No.	2063	Seq. ID	OJ990713_12.9C21.C17
Gene No.	4395	Strand	-
Start	1092	End	2677
Name	OJ990713_12.9C21.C17.o1.np	Method	AAT/NAP
Start	1092	End	2677
GI	6048964	Score	204
Exons	1092..1222, 2036..2142, 2642..2677		
GI Descrip.	(AF103798) unknown [Homo sapiens]		

Seq. No.	2064	Seq. ID	OJ990713_12.9C21.C18
Gene No.	4396	Strand	-
Start	1	End	650
Name	OJ990713_12.9C21.C18.o1.np	Method	AAT/NAP
Start	1	End	650
GI	2586082	Score	876
Exons	1..650		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	2064	Seq. ID	OJ990713_12.9C21.C18
Gene No.	4396	Strand	-
Start	1	End	650
Name	OJ990713_12.9C21.C18.o1.ts	Method	TBLASTX:Soybean
Start	1	End	393
GI	none	Score	149
Exons	1..393, 2..205, 266..391		

Seq. No.	2064	Seq. ID	OJ990713_12.9C21.C18
Gene No.	4396	Strand	-
Start	1	End	650
Name	OJ990713_12.9C21.C18.o1.gs	Method	GENSCAN
Start	29	End	498
GI	none	Score	.83
Exons	29..498		

Seq. No.	2064	Seq. ID	OJ990713_12.9C21.C18
Gene No.	4396	Strand	-
Start	1	End	650
Name	OJ990713_12.9C21.C18.o1.tw	Method	TBLASTX:Wheat
Start	157	End	594
GI	none	Score	46
Exons	157..594, 158..244, 265..420, 272..589		

Seq. No.	2064	Seq. ID	OJ990713_12.9C21.C18
Gene No.	4396	Strand	-
Start	1	End	650
Name	OJ990713_12.9C21.C18.o1.tm	Method	TBLASTX:Maize
Start	185	End	475
GI	none	Score	213
Exons	185..475, 187..474		

Seq. No.	2065	Seq. ID	OJ990713_12.9C21.C19
Gene No.	4397	Strand	+
Start	305	End	388
Name	OJ990713_12.9C21.C19.o1.gs	Method	GENSCAN

Start	305	End	388
GI	none	Score	.67
Exons	305..388		

Seq. No.	2066	Seq. ID	OJ990713_12.9C21.C21
Gene No.	4398	Strand	-
Start	1	End	651
Name	OJ990713_12.9C21.C21.o1.np	Method	AAT/NAP
Start	1	End	651
GI	4680179	Score	881
Exons	1..651		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2066	Seq. ID	OJ990713_12.9C21.C21
Gene No.	4398	Strand	-
Start	1	End	651
Name	OJ990713_12.9C21.C21.o1.gs	Method	GENSCAN
Start	42	End	534
GI	none	Score	.95
Exons	42..534		

Seq. No.	2066	Seq. ID	OJ990713_12.9C21.C21
Gene No.	4398	Strand	-
Start	1	End	651
Name	OJ990713_12.9C21.C21.o1.tw	Method	TBLASTX:Wheat
Start	157	End	651
GI	none	Score	227
Exons	157..651, 235..597, 239..628		

Seq. No.	2066	Seq. ID	OJ990713_12.9C21.C21
Gene No.	4398	Strand	-
Start	1	End	651
Name	OJ990713_12.9C21.C21.o1.tm	Method	TBLASTX:Maize
Start	226	End	589
GI	none	Score	169
Exons	226..588, 235..588, 239..589		

Seq. No.	2066	Seq. ID	OJ990713_12.9C21.C21
Gene No.	4398	Strand	-
Start	1	End	651
Name	OJ990713_12.9C21.C21.o1.ts	Method	TBLASTX:Soybean
Start	409	End	651
GI	none	Score	98
Exons	409..651, 410..637		

Seq. No.	2067	Seq. ID	OJ990713_12.9C21.C22
Gene No.	4399	Strand	-
Start	380	End	535
Name	OJ990713_12.9C21.C22.o1.gs	Method	GENSCAN
Start	380	End	535
GI	none	Score	.94
Exons	380..535		

Seq. No.	2068	Seq. ID	OJ990713_12.9C21.C23
Gene No.	4400	Strand	+
Start	104	End	388
Name	OJ990713_12.9C21.C23.o1.gs	Method	GENSCAN

Start	104	End	249
GI	none	Score	.51
Exons	104..249		

Seq. No.	2068	Seq. ID	OJ990713_12.9C21.C23
Gene No.	4400	Strand	+
Start	104	End	388
Name	OJ990713_12.9C21.C23.o1.np	Method	AAT/NAP
Start	108	End	388
GI	5441880	Score	176
Exons	108..388		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	2069	Seq. ID	OJ990713_12.9C21.C24
Gene No.	4401	Strand	+
Start	565	End	876
Name	OJ990713_12.9C21.C24.o1.gs	Method	GENSCAN
Start	565	End	876
GI	none	Score	.8
Exons	565..876		

Seq. No.	2070	Seq. ID	OJ990713_12.9C21.C25
Gene No.	4402	Strand	-
Start	1	End	281
Name	OJ990713_12.9C21.C25.o1.np	Method	AAT/NAP
Start	1	End	281
GI	2586082	Score	289
Exons	1..281		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	2071	Seq. ID	OJ990713_12.9C21.C27
Gene No.	4403	Strand	-
Start	1624	End	2109
Name	OJ990713_12.9C21.C27.o1.gs	Method	GENSCAN
Start	1624	End	2022
GI	none	Score	.72
Exons	1624..2022		

Seq. No.	2071	Seq. ID	OJ990713_12.9C21.C27
Gene No.	4403	Strand	-
Start	1624	End	2109
Name	OJ990713_12.9C21.C27.o1.np	Method	AAT/NAP
Start	1702	End	2109
GI	5852180	Score	205
Exons	1702..2109		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	2072	Seq. ID	OJ990713_12.9C21.C28
Gene No.	4404	Strand	+
Start	300	End	506
Name	OJ990713_12.9C21.C28.o1.np	Method	AAT/NAP
Start	300	End	506
GI	6539571	Score	70
Exons	300..506		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	2073	Seq. ID	OJ990713_12.9C21.C29
Gene No.	4405	Strand	+
Start	627	End	903
Name	OJ990713_12.9C21.C29.o1.gs	Method	GENSCAN
Start	627	End	903
GI	none	Score	.75
Exons	627..903		

Seq. No.	2073	Seq. ID	OJ990713_12.9C21.C29
Gene No.	4405	Strand	+
Start	627	End	903
Name	OJ990713_12.9C21.C29.o1.gp	Method	AAT/GAP
Start	791	End	903
GI	18179_1.R1084	Score	172
Exons	791..903		
GI Descrip.	'464981/sp|P35135|UBC4_LYCES 2.0e-77 UBIQUITIN-CONJUGATING ENZYME E2-17 KD (UBIQUITIN-PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN) >gi_388207 (L23762) ubiquitin carrier protein [Lycopersicon esculentum]'		

Seq. No.	2073	Seq. ID	OJ990713_12.9C21.C29
Gene No.	4406	Strand	+
Start	834	End	938
Name	OJ990713_12.9C21.C29.o1.np	Method	AAT/NAP
Start	834	End	938
GI	5762457	Score	114
Exons	834..938		
GI Descrip.	(AF176040) ubiquitin-conjugating enzyme UBC2 [Mesembryanthemum crystallinum]		

Seq. No.	2074	Seq. ID	OJ990713_12.9C21.C34
Gene No.	4407	Strand	+
Start	296	End	524
Name	OJ990713_12.9C21.C34.o1.gs	Method	GENSCAN
Start	296	End	524
GI	none	Score	.71
Exons	296..524		

Seq. No.	2075	Seq. ID	OJ990713_12.9C21.C35
Gene No.	4408	Strand	-
Start	386	End	463
Name	OJ990713_12.9C21.C35.o1.gs	Method	GENSCAN
Start	386	End	463
GI	none	Score	.73
Exons	386..463		

Seq. No.	2076	Seq. ID	OJ990713_12.9C21.C36
Gene No.	4409	Strand	+
Start	1	End	109
Name	OJ990713_12.9C21.C36.o1.gp	Method	AAT/GAP
Start	1	End	109
GI	18179_2.R1084	Score	210
Exons	1..109		
GI Descrip.	'464981/sp|P35135|UBC4_LYCES 1.0e-40 UBIQUITIN-CONJUGATING ENZYME E2-17 KD (UBIQUITIN-PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN) >gi_388207 (L23762) ubiquitin carrier protein		

[Lycopersicon esculentum]'

Seq. No.	2077	Seq. ID	OJ990713_12.9C21.C37
Gene No.	4410	Strand	+
Start	620	End	931
Name	OJ990713_12.9C21.C37.o1.gp	Method	AAT/GAP
Start	620	End	931
GI	none	Score	599
Exons	620..931		

Seq. No.	2077	Seq. ID	OJ990713_12.9C21.C37
Gene No.	4411	Strand	+
Start	978	End	1109
Name	OJ990713_12.9C21.C37.o1.np	Method	AAT/NAP
Start	978	End	1109
GI	2586082	Score	102
Exons	978..1109		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	2078	Seq. ID	OJ990713_12.9C21.C38
Gene No.	4412	Strand	+
Start	125	End	481
Name	OJ990713_12.9C21.C38.o1.np	Method	AAT/NAP
Start	125	End	481
GI	2586082	Score	257
Exons	125..481		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	2078	Seq. ID	OJ990713_12.9C21.C38
Gene No.	4413	Strand	-
Start	198	End	476
Name	OJ990713_12.9C21.C38.o1.gs	Method	GENSCAN
Start	198	End	472
GI	none	Score	.85
Exons	198..309, 396..472		

Seq. No.	2078	Seq. ID	OJ990713_12.9C21.C38
Gene No.	4413	Strand	-
Start	198	End	476
Name	OJ990713_12.9C21.C38.o1.tm	Method	TBLASTX:Maize
Start	206	End	476
GI	none	Score	100
Exons	206..304, 216..308, 336..476, 356..475		

Seq. No.	2078	Seq. ID	OJ990713_12.9C21.C38
Gene No.	4413	Strand	-
Start	198	End	476
Name	OJ990713_12.9C21.C38.o1.tw	Method	TBLASTX:Wheat
Start	213	End	476
GI	none	Score	174
Exons	213..473, 296..472, 375..476		

Seq. No.	2079	Seq. ID	OJ990713_12.9C21.C39
Gene No.	4414	Strand	+
Start	49	End	225
Name	OJ990713_12.9C21.C39.o1.gs	Method	GENSCAN
Start	49	End	225

GI	none	Score	.51
Exons	49..225		

Seq. No.	2080	Seq. ID	OJ990713_12.9C21.C41
Gene No.	4415	Strand	+
Start	1	End	494
Name	OJ990713_12.9C21.C41.o1.np	Method	AAT/NAP
Start	1	End	494
GI	6539581	Score	216
Exons	1..86, 151..494		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	2080	Seq. ID	OJ990713_12.9C21.C41
Gene No.	4415	Strand	+
Start	1	End	494
Name	OJ990713_12.9C21.C41.o1.tw	Method	TBLASTX:Wheat
Start	236	End	461
GI	none	Score	263
Exons	236..460, 237..461, 237..461		

Seq. No.	2080	Seq. ID	OJ990713_12.9C21.C41
Gene No.	4415	Strand	+
Start	1	End	494
Name	OJ990713_12.9C21.C41.o1.ts	Method	TBLASTX:Soybean
Start	249	End	482
GI	none	Score	212
Exons	249..482, 273..479		

Seq. No.	2081	Seq. ID	OJ990713_12.9C21.C44
Gene No.	4416	Strand	-
Start	8	End	169
Name	OJ990713_12.9C21.C44.o1.gs	Method	GENSCAN
Start	8	End	169
GI	none	Score	.56
Exons	8..169		

Seq. No.	2082	Seq. ID	OJ990713_12.9C21.C46
Gene No.	4417	Strand	+
Start	1	End	2278
Name	OJ990713_12.9C21.C46.o1.np	Method	AAT/NAP
Start	1	End	2278
GI	6069646	Score	760
Exons	1..47, 632..1434, 1717..2278		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	2082	Seq. ID	OJ990713_12.9C21.C46
Gene No.	4417	Strand	+
Start	1	End	2278
Name	OJ990713_12.9C21.C46.o3.tm	Method	TBLASTX:Maize
Start	18	End	451
GI	none	Score	84
Exons	18..119, 41..118, 110..451, 163..342		

Seq. No.	2082	Seq. ID	OJ990713_12.9C21.C46
Gene No.	4417	Strand	+
Start	1	End	2278
Name	OJ990713_12.9C21.C46.o1.gs	Method	GENSCAN
Start	374	End	2016
GI	none	Score	.54
Exons	374..838, 1145..1326, 1440..2016		

Seq. No.	2082	Seq. ID	OJ990713_12.9C21.C46
Gene No.	4417	Strand	+
Start	1	End	2278
Name	OJ990713_12.9C21.C46.o2.tw	Method	TBLASTX:Wheat
Start	530	End	865
GI	none	Score	85
Exons	530..682, 683..865		

Seq. No.	2082	Seq. ID	OJ990713_12.9C21.C46
Gene No.	4417	Strand	+
Start	1	End	2278
Name	OJ990713_12.9C21.C46.o1.tm	Method	TBLASTX:Maize
Start	611	End	1036
GI	none	Score	448
Exons	611..1036, 622..1035		

Seq. No.	2082	Seq. ID	OJ990713_12.9C21.C46
Gene No.	4417	Strand	+
Start	1	End	2278
Name	OJ990713_12.9C21.C46.o3.tw	Method	TBLASTX:Wheat
Start	872	End	1177
GI	none	Score	182
Exons	872..1177, 1021..1167		

Seq. No.	2082	Seq. ID	OJ990713_12.9C21.C46
Gene No.	4417	Strand	+
Start	1	End	2278
Name	OJ990713_12.9C21.C46.o2.tm	Method	TBLASTX:Maize
Start	1039	End	1650
GI	none	Score	185
Exons	1039..1119, 1040..1303, 1144..1302, 1309..1650, 1377..1583		

Seq. No.	2082	Seq. ID	OJ990713_12.9C21.C46
Gene No.	4417	Strand	+
Start	1	End	2278
Name	OJ990713_12.9C21.C46.o1.ts	Method	TBLASTX:Soybean
Start	1309	End	1809
GI	none	Score	146
Exons	1309..1620, 1452..1568, 1680..1757, 1681..1809		

Seq. No.	2082	Seq. ID	OJ990713_12.9C21.C46
Gene No.	4417	Strand	+
Start	1	End	2278
Name	OJ990713_12.9C21.C46.o1.tw	Method	TBLASTX:Wheat
Start	1309	End	1731
GI	none	Score	241
Exons	1309..1587, 1326..1583, 1573..1731, 1594..1701		

Seq. No.	2082	Seq. ID	OJ990713_12.9C21.C46
Gene No.	4417	Strand	+
Start	1	End	2278
Name	OJ990713_12.9C21.C46.o4.tm	Method	TBLASTX:Maize
Start	1662	End	1887
GI	none	Score	235
Exons	1662..1886, 1663..1887		

Seq. No.	2083	Seq. ID	OJ990713_12.9C21.C47
Gene No.	4418	Strand	-
Start	1	End	1104
Name	OJ990713_12.9C21.C47.o1.np	Method	AAT/NAP
Start	1	End	1104
GI	4680179	Score	799
Exons	1..1104		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2083	Seq. ID	OJ990713_12.9C21.C47
Gene No.	4418	Strand	-
Start	1	End	1104
Name	OJ990713_12.9C21.C47.o1.gs	Method	GENSCAN
Start	20	End	1058
GI	none	Score	.89
Exons	20..686, 883..1058		

Seq. No.	2083	Seq. ID	OJ990713_12.9C21.C47
Gene No.	4419	Strand	-
Start	1328	End	2119
Name	OJ990713_12.9C21.C47.o2.gs	Method	GENSCAN
Start	1328	End	2119
GI	none	Score	.95
Exons	1328..2119		

Seq. No.	2083	Seq. ID	OJ990713_12.9C21.C47
Gene No.	4419	Strand	-
Start	1328	End	2119
Name	OJ990713_12.9C21.C47.o2.np	Method	AAT/NAP
Start	1331	End	2119
GI	4512231	Score	1249
Exons	1331..2119		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	2083	Seq. ID	OJ990713_12.9C21.C47
Gene No.	4420	Strand	-
Start	3293	End	3464
Name	OJ990713_12.9C21.C47.o1.tw	Method	TBLASTX:Wheat
Start	296	End	647
GI	none	Score	49
Exons	296..646, 430..498, 474..647		

Seq. No.	2083	Seq. ID	OJ990713_12.9C21.C47
Gene No.	4420	Strand	-
Start	3293	End	3464
Name	OJ990713_12.9C21.C47.o1.tm	Method	TBLASTX:Maize
Start	341	End	646
GI	none	Score	246
Exons	341..646		

Seq. No.	2083	Seq. ID	OJ990713_12.9C21.C47
Gene No.	4420	Strand	-
Start	3293	End	3464
Name	OJ990713_12.9C21.C47.o3.np	Method	AAT/NAP
Start	3293	End	3464
GI	6063554	Score	89
Exons	3293..3464		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2084	Seq. ID	OJ990713_12.9C21.C49
Gene No.	4421	Strand	-
Start	1	End	645
Name	OJ990713_12.9C21.C49.o1.np	Method	AAT/NAP
Start	1	End	645
GI	2792210	Score	387
Exons	1..645		
GI Descrip.	(AF032683) NBS-LRR type resistance protein [Hordeum vulgare]		

Seq. No.	2084	Seq. ID	OJ990713_12.9C21.C49
Gene No.	4421	Strand	-
Start	1	End	645
Name	OJ990713_12.9C21.C49.o1.ts	Method	TBLASTX:Soybean
Start	4	End	449
GI	none	Score	125
Exons	4..63, 88..267, 252..449		

Seq. No.	2084	Seq. ID	OJ990713_12.9C21.C49
Gene No.	4421	Strand	-
Start	1	End	645
Name	OJ990713_12.9C21.C49.o1.gs	Method	GENSCAN
Start	264	End	620
GI	none	Score	.71
Exons	264..620		

Seq. No.	2085	Seq. ID	OJ990713_12.9C21.C50
Gene No.	4422	Strand	+
Start	118	End	319
Name	OJ990713_12.9C21.C50.o1.gs	Method	GENSCAN
Start	118	End	319
GI	none	Score	.69
Exons	118..319		

Seq. No.	2085	Seq. ID	OJ990713_12.9C21.C50
Gene No.	4422	Strand	+
Start	118	End	319
Name	OJ990713_12.9C21.C50.o1.np	Method	AAT/NAP
Start	118	End	316
GI	4680186	Score	332
Exons	118..316		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	2085	Seq. ID	OJ990713_12.9C21.C50
Gene No.	4423	Strand	-
Start	1	End	249

Name	OJ990713_12.9C21.C50.o1.gp	Method	AAT/GAP
Start	1	End	249
GI	uC-osflcyp033a04b1	Score	432
Exons	1..249		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	2085	Seq. ID	OJ990713_12.9C21.C50
Gene No.	4424	Strand	-
Start	658	End	857
Name	OJ990713_12.9C21.C50.o2.gs	Method	GENSCAN
Start	658	End	857
GI	none	Score	.51
Exons	658..857		

Seq. No.	2086	Seq. ID	OJ990713_12.9C21.C51
Gene No.	4425	Strand	-
Start	325	End	684
Name	OJ990713_12.9C21.C51.o1.np	Method	AAT/NAP
Start	325	End	684
GI	2943742	Score	116
Exons	325..684		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	2087	Seq. ID	OJ990713_12.9C21.C52
Gene No.	4426	Strand	+
Start	81	End	309
Name	OJ990713_12.9C21.C52.o1.gs	Method	GENSCAN
Start	81	End	309
GI	none	Score	.45
Exons	81..169, 195..309		

Seq. No.	2087	Seq. ID	OJ990713_12.9C21.C52
Gene No.	4427	Strand	-
Start	1	End	317
Name	OJ990713_12.9C21.C52.o1.np	Method	AAT/NAP
Start	1	End	317
GI	3482916	Score	146
Exons	1..317		
GI Descrip.	(AC003970) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2088	Seq. ID	OJ990713_12.9C21.C53
Gene No.	4428	Strand	+
Start	1	End	593
Name	OJ990713_12.9C21.C53.o1.np	Method	AAT/NAP
Start	1	End	593
GI	6498441	Score	220
Exons	1..593		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	2088	Seq. ID	OJ990713_12.9C21.C53
Gene No.	4428	Strand	+
Start	1	End	593
Name	OJ990713_12.9C21.C53.o1.ts	Method	TBLASTX:Soybean
Start	172	End	540

GI	none	Score	143
Exons	172..390, 406..540		

Seq. No.	2088	Seq. ID	OJ990713_12.9C21.C53
Gene No.	4428	Strand	+
Start	1	End	593
Name	OJ990713_12.9C21.C53.o1.gs	Method	GENSCAN
Start	239	End	587
GI	none	Score	.67
Exons	239..587		

Seq. No.	2088	Seq. ID	OJ990713_12.9C21.C53
Gene No.	4428	Strand	+
Start	1	End	593
Name	OJ990713_12.9C21.C53.o1.tw	Method	TBLASTX:Wheat
Start	334	End	593
GI	none	Score	358
Exons	334..591, 339..593, 350..592		

Seq. No.	2088	Seq. ID	OJ990713_12.9C21.C53
Gene No.	4428	Strand	+
Start	1	End	593
Name	OJ990713_12.9C21.C53.o1.tm	Method	TBLASTX:Maize
Start	394	End	593
GI	none	Score	259
Exons	394..591, 399..593		

Seq. No.	2089	Seq. ID	OJ990713_12.9C21.C54
Gene No.	4429	Strand	-
Start	243	End	357
Name	OJ990713_12.9C21.C54.o1.np	Method	AAT/NAP
Start	243	End	357
GI	6324074	Score	86
Exons	243..357		
GI Descrip.	Contains seven cysteine rich zinc finger motifs of the 'CCHC retroviral-type'; Gis2p gi|1730843|sp|P53849|YNZ5_YEAST HYPOTHETICAL 17.1 KD PROTEIN IN SIP3-MRPL30 INTERGENIC REGION gi|2131945|pir||S63228 hypothetical protein YNL255c - yeast (Saccharomyces cerevisiae) gi|1255963|emb|CAA65489| (X96722) ORF N0852 [Saccharomyces cerevisiae] gi|1302303|emb|CAA96162| (Z71		

Seq. No.	2090	Seq. ID	OJ990713_12.9C21.C55
Gene No.	4430	Strand	-
Start	20	End	578
Name	OJ990713_12.9C21.C55.o1.np	Method	AAT/NAP
Start	20	End	578
GI	6907087	Score	123
Exons	20..121, 534..578		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2090	Seq. ID	OJ990713_12.9C21.C55
Gene No.	4430	Strand	-
Start	20	End	578
Name	OJ990713_12.9C21.C55.o1.gs	Method	GENSCAN
Start	40	End	121

GI	none	Score	.84
Exons	40..121		
Seq. No.	2091	Seq. ID	OJ990713_12.9C21.C56
Gene No.	4431	Strand	+
Start	113	End	248
Name	OJ990713_12.9C21.C56.o1.gs	Method	GENSCAN
Start	113	End	248
GI	none	Score	.73
Exons	113..248		
Seq. No.	2092	Seq. ID	OJ990713_12.9C21.C57
Gene No.	4432	Strand	-
Start	1	End	477
Name	OJ990713_12.9C21.C57.o1.np	Method	AAT/NAP
Start	1	End	477
GI	4680179	Score	757
Exons	1..477		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	2092	Seq. ID	OJ990713_12.9C21.C57
Gene No.	4432	Strand	-
Start	1	End	477
Name	OJ990713_12.9C21.C57.o1.tw	Method	TBLASTX:Wheat
Start	60	End	288
GI	none	Score	72
Exons	60..161, 62..178, 169..288, 177..266		
Seq. No.	2093	Seq. ID	OJ990713_12.9C21.C60
Gene No.	4433	Strand	+
Start	1	End	140
Name	OJ990713_12.9C21.C60.o1.np	Method	AAT/NAP
Start	1	End	140
GI	6063554	Score	187
Exons	1..140		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	2093	Seq. ID	OJ990713_12.9C21.C60
Gene No.	4434	Strand	-
Start	199	End	340
Name	OJ990713_12.9C21.C60.o1.gs	Method	GENSCAN
Start	199	End	340
GI	none	Score	.57
Exons	199..340		
Seq. No.	2093	Seq. ID	OJ990713_12.9C21.C60
Gene No.	4435	Strand	-
Start	533	End	752
Name	OJ990713_12.9C21.C60.o1.gp	Method	AAT/GAP
Start	533	End	752
GI	61605_1.R1084	Score	353
Exons	533..752		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	2094	Seq. ID	OJ990713_12.9C21.C61
Gene No.	4436	Strand	+
Start	1	End	679
Name	OJ990713_12.9C21.C61.o1.np	Method	AAT/NAP
Start	1	End	679
GI	4680179	Score	1068
Exons	1..679		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2094	Seq. ID	OJ990713_12.9C21.C61
Gene No.	4436	Strand	+
Start	1	End	679
Name	OJ990713_12.9C21.C61.o1.gs	Method	GENSCAN
Start	184	End	499
GI	none	Score	.55
Exons	184..499		

Seq. No.	2094	Seq. ID	OJ990713_12.9C21.C61
Gene No.	4436	Strand	+
Start	1	End	679
Name	OJ990713_12.9C21.C61.o1.tw	Method	TBLASTX:Wheat
Start	367	End	584
GI	none	Score	80
Exons	367..432, 372..437, 439..579, 453..572, 519..584		

Seq. No.	2095	Seq. ID	OJ990713_12.9C21.C62
Gene No.	4437	Strand	+
Start	423	End	543
Name	OJ990713_12.9C21.C62.o1.gs	Method	GENSCAN
Start	423	End	543
GI	none	Score	.6
Exons	423..543		

Seq. No.	2095	Seq. ID	OJ990713_12.9C21.C62
Gene No.	4438	Strand	+
Start	457	End	568
Name	OJ990713_12.9C21.C62.o1.np	Method	AAT/NAP
Start	457	End	568
GI	5257279	Score	187
Exons	457..568		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	2096	Seq. ID	OJ990713_12.9C21.C64
Gene No.	4439	Strand	+
Start	1	End	202
Name	OJ990713_12.9C21.C64.o2.np	Method	AAT/NAP
Start	1	End	202
GI	4680183	Score	112
Exons	1..202		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	2096	Seq. ID	OJ990713_12.9C21.C64
Gene No.	4440	Strand	-
Start	1	End	81
Name	OJ990713_12.9C21.C64.o1.np	Method	AAT/NAP
Start	1	End	81

GI	6721561	Score	148
Exons	1..81		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2097	Seq. ID	OJ990513_14.9C16.C1
Gene No.	4441	Strand	-
Start	1653	End	2786
Name	OJ990513_14.9C16.C1.o1.gs	Method	GENSCAN
Start	1653	End	2786
GI	none	Score	.66
Exons	1653..2786		

Seq. No.	2098	Seq. ID	OJ990513_14.9C16.C2
Gene No.	4442	Strand	+
Start	1061	End	1766
Name	OJ990513_14.9C16.C2.o1.np	Method	AAT/NAP
Start	1061	End	1266
GI	4680186	Score	254
Exons	1061..1266		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	2098	Seq. ID	OJ990513_14.9C16.C2
Gene No.	4442	Strand	+
Start	1061	End	1766
Name	OJ990513_14.9C16.C2.o1.gs	Method	GENSCAN
Start	1152	End	1766
GI	none	Score	.55
Exons	1152..1290, 1660..1766		

Seq. No.	2098	Seq. ID	OJ990513_14.9C16.C2
Gene No.	4443	Strand	+
Start	1869	End	3238
Name	OJ990513_14.9C16.C2.o2.gs	Method	GENSCAN
Start	1869	End	3238
GI	none	Score	.5
Exons	1869..1946, 2028..2642, 2672..3238		

Seq. No.	2098	Seq. ID	OJ990513_14.9C16.C2
Gene No.	4444	Strand	+
Start	6515	End	6956
Name	OJ990513_14.9C16.C2.o3.np	Method	AAT/NAP
Start	6515	End	6956
GI	5902448	Score	655
Exons	6515..6956		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	2098	Seq. ID	OJ990513_14.9C16.C2
Gene No.	4445	Strand	-
Start	813	End	1194
Name	OJ990513_14.9C16.C2.o1.gp	Method	AAT/GAP
Start	813	End	1194
GI	uC-osflcyp033a04b1	Score	647
Exons	813..1194		

GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	2098	Seq. ID	OJ990513_14.9C16.C2
Gene No.	4446	Strand	-
Start	1659	End	3420
Name	OJ990513_14.9C16.C2.o2.np	Method	AAT/NAP
Start	1659	End	3420
GI	6907087	Score	984
Exons	1659..1760, 2299..2991, 3032..3420		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	2098	Seq. ID	OJ990513_14.9C16.C2
Gene No.	4447	Strand	
Start	6638	End	6934
Name	OJ990513_14.9C16.C2.o1.tw	Method	TBLASTX:Wheat
Start	6638	End	6934
GI	none	Score	178
Exons	6638..6934		
Seq. No.	2099	Seq. ID	OJ990513_14.9C16.C3
Gene No.	4448	Strand	+
Start	1	End	2599
Name	OJ990513_14.9C16.C3.o1.np	Method	AAT/NAP
Start	1	End	2596
GI	6691716	Score	1558
Exons	1..200, 389..584, 667..773, 850..1025, 1103..1290, 1365..1460, 1610..1730, 2148..2596		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	2099	Seq. ID	OJ990513_14.9C16.C3
Gene No.	4448	Strand	+
Start	1	End	2599
Name	OJ990513_14.9C16.C3.o1.gs	Method	GENSCAN
Start	244	End	2599
GI	none	Score	.65
Exons	244..584, 667..913, 1365..1554, 2148..2599		
Seq. No.	2099	Seq. ID	OJ990513_14.9C16.C3
Gene No.	4449	Strand	-
Start	2936	End	4383
Name	OJ990513_14.9C16.C3.o2.gs	Method	GENSCAN
Start	2936	End	3769
GI	none	Score	.87
Exons	2936..3769		
Seq. No.	2099	Seq. ID	OJ990513_14.9C16.C3
Gene No.	4449	Strand	-
Start	2936	End	4383
Name	OJ990513_14.9C16.C3.o2.np	Method	AAT/NAP
Start	2939	End	4383
GI	5902445	Score	2164
Exons	2939..4383		

GI Descrip. (AB030283) GAG-POL precursor [Oryza sativa]

Seq. No.	2099	Seq. ID	OJ990513_14.9C16.C3
Gene No.	4449	Strand	-
Start	2936	End	4383
Name	OJ990513_14.9C16.C3.o1.tw	Method	TBLASTX:Wheat
Start	2951	End	3562
GI	none	Score	85
Exons	2951..3079, 3104..3562, 3300..3401, 3456..3542		

Seq. No.	2099	Seq. ID	OJ990513_14.9C16.C3
Gene No.	4449	Strand	-
Start	2936	End	4383
Name	OJ990513_14.9C16.C3.o2.tm	Method	TBLASTX:Maize
Start	2987	End	3241
GI	none	Score	99
Exons	2987..3088, 2988..3089, 3068..3241, 3069..3128		

Seq. No.	2099	Seq. ID	OJ990513_14.9C16.C3
Gene No.	4449	Strand	-
Start	2936	End	4383
Name	OJ990513_14.9C16.C3.o2.tw	Method	TBLASTX:Wheat
Start	3569	End	3931
GI	none	Score	201
Exons	3569..3931, 3585..3926, 3677..3931		

Seq. No.	2099	Seq. ID	OJ990513_14.9C16.C3
Gene No.	4449	Strand	-
Start	2936	End	4383
Name	OJ990513_14.9C16.C3.o1.tm	Method	TBLASTX:Maize
Start	3707	End	4073
GI	none	Score	158
Exons	3707..3754, 3746..3946, 3759..3944, 3936..4073, 3940..4050		

Seq. No.	2100	Seq. ID	OJ990513_14.9C16.C4
Gene No.	4450	Strand	+
Start	5809	End	12075
Name	OJ990513_14.9C16.C4.o1.np	Method	AAT/NAP
Start	5809	End	12075
GI	4680179	Score	6271
Exons	5809..9625, 11315..12075		

GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.	2100	Seq. ID	OJ990513_14.9C16.C4
Gene No.	4451	Strand	-
Start	10155	End	12030
Name	OJ990513_14.9C16.C4.o7.tw	Method	TBLASTX:Wheat
Start	6078	End	6441
GI	none	Score	273
Exons	6078..6440, 6082..6441, 6298..6441		

Seq. No.	2100	Seq. ID	OJ990513_14.9C16.C4
Gene No.	4451	Strand	-
Start	10155	End	12030
Name	OJ990513_14.9C16.C4.o6.tm	Method	TBLASTX:Maize
Start	6322	End	6606
GI	none	Score	204

Exons	6322..6606, 6325..6528, 6339..6509		
Seq. No.	2100	Seq. ID	OJ990513_14.9C16.C4
Gene No.	4451	Strand	-
Start	10155	End	12030
Name	OJ990513_14.9C16.C4.o7.tm	Method	TBLASTX:Maize
Start	6968	End	7288
GI	none	Score	203
Exons	6968..7288		
Seq. No.	2100	Seq. ID	OJ990513_14.9C16.C4
Gene No.	4451	Strand	-
Start	10155	End	12030
Name	OJ990513_14.9C16.C4.o6.tw	Method	TBLASTX:Wheat
Start	6971	End	7375
GI	none	Score	163
Exons	6971..7177, 7006..7140, 7150..7320, 7160..7375, 7225..7350, 7235..7357		
Seq. No.	2100	Seq. ID	OJ990513_14.9C16.C4
Gene No.	4451	Strand	-
Start	10155	End	12030
Name	OJ990513_14.9C16.C4.o3.tw	Method	TBLASTX:Wheat
Start	7550	End	8032
GI	none	Score	507
Exons	7550..8032, 7609..7989		
Seq. No.	2100	Seq. ID	OJ990513_14.9C16.C4
Gene No.	4451	Strand	-
Start	10155	End	12030
Name	OJ990513_14.9C16.C4.o5.tm	Method	TBLASTX:Maize
Start	7559	End	7851
GI	none	Score	315
Exons	7559..7849, 7587..7820, 7660..7851		
Seq. No.	2100	Seq. ID	OJ990513_14.9C16.C4
Gene No.	4451	Strand	-
Start	10155	End	12030
Name	OJ990513_14.9C16.C4.o3.ts	Method	TBLASTX:Soybean
Start	7586	End	7900
GI	none	Score	190
Exons	7586..7900, 7702..7899		
Seq. No.	2100	Seq. ID	OJ990513_14.9C16.C4
Gene No.	4451	Strand	-
Start	10155	End	12030
Name	OJ990513_14.9C16.C4.o3.tm	Method	TBLASTX:Maize
Start	7919	End	8419
GI	none	Score	157
Exons	7919..8098, 8084..8419, 8171..8410		
Seq. No.	2100	Seq. ID	OJ990513_14.9C16.C4
Gene No.	4451	Strand	-
Start	10155	End	12030
Name	OJ990513_14.9C16.C4.o1.ts	Method	TBLASTX:Soybean
Start	7973	End	8368
GI	none	Score	57

Exons	7973..8005, 7973..8005, 8009..8368, 8012..8089, 8016..8150, 8125..8367		
Seq. No.	2100	Seq. ID	OJ990513_14.9C16.C4
Gene No.	4451	Strand	-
Start	10155	End	12030
Name	OJ990513_14.9C16.C4.o5.tw	Method	TBLASTX:Wheat
Start	8081	End	8383
GI	none	Score	383
Exons	8081..8383, 8081..8383		
Seq. No.	2100	Seq. ID	OJ990513_14.9C16.C4
Gene No.	4451	Strand	-
Start	10155	End	12030
Name	OJ990513_14.9C16.C4.o1.tw	Method	TBLASTX:Wheat
Start	8384	End	8825
GI	none	Score	599
Exons	8384..8809, 8416..8802, 8501..8809, 8511..8825		
Seq. No.	2100	Seq. ID	OJ990513_14.9C16.C4
Gene No.	4451	Strand	-
Start	10155	End	12030
Name	OJ990513_14.9C16.C4.o4.ts	Method	TBLASTX:Soybean
Start	8393	End	8635
GI	none	Score	183
Exons	8393..8635		
Seq. No.	2100	Seq. ID	OJ990513_14.9C16.C4
Gene No.	4451	Strand	-
Start	10155	End	12030
Name	OJ990513_14.9C16.C4.o2.tm	Method	TBLASTX:Maize
Start	8456	End	8809
GI	none	Score	452
Exons	8456..8809, 8458..8724, 8498..8794		
Seq. No.	2100	Seq. ID	OJ990513_14.9C16.C4
Gene No.	4451	Strand	-
Start	10155	End	12030
Name	OJ990513_14.9C16.C4.o2.tw	Method	TBLASTX:Wheat
Start	8898	End	9374
GI	none	Score	578
Exons	8898..9374, 8913..9368, 8990..9373		
Seq. No.	2100	Seq. ID	OJ990513_14.9C16.C4
Gene No.	4451	Strand	-
Start	10155	End	12030
Name	OJ990513_14.9C16.C4.o1.tc	Method	TBLASTX:Cress
Start	9072	End	9398
GI	none	Score	90
Exons	9072..9254, 9255..9398, 9320..9397		
Seq. No.	2100	Seq. ID	OJ990513_14.9C16.C4
Gene No.	4451	Strand	-
Start	10155	End	12030
Name	OJ990513_14.9C16.C4.o2.ts	Method	TBLASTX:Soybean
Start	9162	End	9423
GI	none	Score	291

Exons	9162..9422, 9167..9268, 9199..9423, 9291..9422		
Seq. No.	2100	Seq. ID	OJ990513_14.9C16.C4
Gene No.	4451	Strand	-
Start	10155	End	12030
Name	OJ990513_14.9C16.C4.o4.tm	Method	TBLASTX:Maize
Start	9186	End	9440
GI	none	Score	353
Exons	9186..9440, 9222..9425		
Seq. No.	2100	Seq. ID	OJ990513_14.9C16.C4
Gene No.	4451	Strand	-
Start	10155	End	12030
Name	OJ990513_14.9C16.C4.o8.tw	Method	TBLASTX:Wheat
Start	9380	End	11457
GI	none	Score	120
Exons	9380..9478, 9381..9479, 9477..9623, 9478..9624, 9553..9624, 11304..11456, 11308..11457, 11308..11457		
Seq. No.	2100	Seq. ID	OJ990513_14.9C16.C4
Gene No.	4451	Strand	-
Start	10155	End	12030
Name	OJ990513_14.9C16.C4.o1.tm	Method	TBLASTX:Maize
Start	9565	End	11838
GI	none	Score	90
Exons	9565..9624, 11308..11412, 11319..11405, 11410..11508, 11412..11507, 11569..11838, 11577..11837		
Seq. No.	2100	Seq. ID	OJ990513_14.9C16.C4
Gene No.	4451	Strand	-
Start	10155	End	12030
Name	OJ990513_14.9C16.C4.o2.gs	Method	GENSCAN
Start	10155	End	11914
GI	none	Score	.8
Exons	10155..10307, 10313..10624, 10820..10983, 11343..11418, 11755..11914		
Seq. No.	2100	Seq. ID	OJ990513_14.9C16.C4
Gene No.	4451	Strand	-
Start	10155	End	12030
Name	OJ990513_14.9C16.C4.o4.tw	Method	TBLASTX:Wheat
Start	11608	End	12030
GI	none	Score	398
Exons	11608..12030, 11643..11834		
Seq. No.	2101	Seq. ID	OJ990513_14.9C16.C5
Gene No.	4452	Strand	+
Start	7161	End	7865
Name	OJ990513_14.9C16.C5.o1.gp	Method	AAT/GAP
Start	7161	End	7865
GI	67_1.R1084	Score	1249
Exons	7161..7865		
GI Descrip.	'4126695/dbj|BAA36699| 1.0e-39 (AB016505) prolamin [Oryza sativa]'		
Seq. No.	2101	Seq. ID	OJ990513_14.9C16.C5
Gene No.	4453	Strand	-

Start	1	End	7770
Name	OJ990513_14.9C16.C5.o1.np	Method	AAT/NAP
Start	1	End	6438
GI	5922631	Score	3881
Exons	1..18, 2154..2964, 3551..4439, 4566..4722, 4765..5308, 5354..5556, 5814..6056, 6314..6438		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	2101	Seq. ID	OJ990513_14.9C16.C5
Gene No.	4453	Strand	-
Start	1	End	7770
Name	OJ990513_14.9C16.C5.o1.gs	Method	GENSCAN
Start	144	End	7770
GI	none	Score	.75
Exons	144..522, 1217..1331, 1908..1941, 2075..2518, 2709..2816, 2828..3052, 3189..3462, 3559..3859, 3994..4260, 4287..4920, 4985..5190, 5353..5584, 5724..6028, 6100..6390, 7629..7770		

Seq. No.	2101	Seq. ID	OJ990513_14.9C16.C5
Gene No.	4453	Strand	-
Start	1	End	7770
Name	OJ990513_14.9C16.C5.o2.np	Method	AAT/NAP
Start	7303	End	7770
GI	4126695	Score	809
Exons	7303..7770		
GI Descrip.	(AB016505) prolamin [Oryza sativa]		

Seq. No.	2101	Seq. ID	OJ990513_14.9C16.C5
Gene No.	4454	Strand	-
Start	8414	End	8688
Name	OJ990513_14.9C16.C5.o1.tw	Method	TBLASTX:Wheat
Start	732	End	2984
GI	none	Score	60
Exons	732..821, 2559..2984, 2564..2983		

Seq. No.	2101	Seq. ID	OJ990513_14.9C16.C5
Gene No.	4454	Strand	-
Start	8414	End	8688
Name	OJ990513_14.9C16.C5.o3.tw	Method	TBLASTX:Wheat
Start	2243	End	2554
GI	none	Score	85
Exons	2243..2554, 2258..2545		

Seq. No.	2101	Seq. ID	OJ990513_14.9C16.C5
Gene No.	4454	Strand	-
Start	8414	End	8688
Name	OJ990513_14.9C16.C5.o1.ts	Method	TBLASTX:Soybean
Start	2504	End	2935
GI	none	Score	48
Exons	2504..2935, 2538..2708, 2745..2888		

Seq. No.	2101	Seq. ID	OJ990513_14.9C16.C5
Gene No.	4454	Strand	-
Start	8414	End	8688
Name	OJ990513_14.9C16.C5.o1.tm	Method	TBLASTX:Maize
Start	2657	End	3040
GI	none	Score	160
Exons	2657..3040, 2658..3002		

Seq. No.	2101	Seq. ID	OJ990513_14.9C16.C5
Gene No.	4454	Strand	-
Start	8414	End	8688
Name	OJ990513_14.9C16.C5.o2.tw	Method	TBLASTX:Wheat
Start	3147	End	3533
GI	none	Score	250
Exons	3147..3533, 3157..3513		

Seq. No.	2101	Seq. ID	OJ990513_14.9C16.C5
Gene No.	4454	Strand	-
Start	8414	End	8688
Name	OJ990513_14.9C16.C5.o2.tm	Method	TBLASTX:Maize
Start	3153	End	3404
GI	none	Score	150
Exons	3153..3404, 3154..3363		

Seq. No.	2101	Seq. ID	OJ990513_14.9C16.C5
Gene No.	4454	Strand	-
Start	8414	End	8688
Name	OJ990513_14.9C16.C5.o2.ts	Method	TBLASTX:Soybean
Start	3168	End	3494
GI	none	Score	139
Exons	3168..3263, 3270..3494		

Seq. No.	2101	Seq. ID	OJ990513_14.9C16.C5
Gene No.	4454	Strand	-
Start	8414	End	8688
Name	OJ990513_14.9C16.C5.o4.tw	Method	TBLASTX:Wheat
Start	3754	End	4174
GI	none	Score	75
Exons	3754..3876, 3756..3881, 3887..3937, 3998..4174		

Seq. No.	2101	Seq. ID	OJ990513_14.9C16.C5
Gene No.	4454	Strand	-
Start	8414	End	8688
Name	OJ990513_14.9C16.C5.o5.tw	Method	TBLASTX:Wheat
Start	4759	End	5126
GI	none	Score	59
Exons	4759..5031, 5060..5125, 5064..5126		

Seq. No.	2101	Seq. ID	OJ990513_14.9C16.C5
Gene No.	4454	Strand	-
Start	8414	End	8688
Name	OJ990513_14.9C16.C5.o2.gp	Method	AAT/GAP
Start	8414	End	8688
GI	61605_1.R1084	Score	467
Exons	8414..8688		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	2102	Seq. ID	OJ990513_14.9C16.C6
Gene No.	4455	Strand	+
Start	792	End	2754
Name	OJ990513_14.9C16.C6.o1.np	Method	AAT/NAP
Start	792	End	2754
GI	5852179	Score	453
Exons	792..1013, 1088..1339, 2680..2754		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	2102	Seq. ID	OJ990513_14.9C16.C6
Gene No.	4456	Strand	-
Start	1	End	310
Name	OJ990513_14.9C16.C6.o1.gp	Method	AAT/GAP
Start	1	End	310
GI	2428185	Score	576
Exons	1..310		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	2102	Seq. ID	OJ990513_14.9C16.C6
Gene No.	4457	Strand	-
Start	326	End	1062
Name	OJ990513_14.9C16.C6.o2.gp	Method	AAT/GAP
Start	326	End	1062
GI	101153_1.R1084	Score	392
Exons	326..556, 1039..1062		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	2103	Seq. ID	OJ990513_14.9C16.C7
Gene No.	4458	Strand	+
Start	1	End	258
Name	OJ990513_14.9C16.C7.o1.np	Method	AAT/NAP
Start	1	End	258
GI	5295955	Score	232
Exons	1..122, 149..258		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	2104	Seq. ID	OJ990513_14.9C16.C8
Gene No.	4459	Strand	+
Start	1	End	484
Name	OJ990513_14.9C16.C8.o1.np	Method	AAT/NAP
Start	1	End	484
GI	4680186	Score	109
Exons	1..31, 405..484		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	2104	Seq. ID	OJ990513_14.9C16.C8
Gene No.	4460	Strand	-
Start	404	End	484
Name	OJ990513_14.9C16.C8.o1.gp	Method	AAT/GAP
Start	404	End	484
GI	uC-osf1cyp033a04b1	Score	127
Exons	404..484		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic		

DNA, chromosome 1, clone:P0711E10'

Seq. No.	2105	Seq. ID	OJ990513_14.9C16.C10
Gene No.	4461	Strand	+
Start	1	End	3497
Name	OJ990513_14.9C16.C10.o2.np	Method	AAT/NAP
Start	1	End	3497
GI	5852180	Score	495
Exons	1..114, 1385..1455, 2415..2533, 2585..2997, 3476..3497		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	2105	Seq. ID	OJ990513_14.9C16.C10
Gene No.	4461	Strand	+
Start	1	End	3497
Name	OJ990513_14.9C16.C10.o1.gp	Method	AAT/GAP
Start	426	End	1026
GI	557589	Score	256
Exons	426..589, 1002..1026		
GI Descrip.	130959/sp|P20698|PRO7_ORYSA 6.0e-35 PROLAMIN PPROL 17 PRECURSOR >gi_82504_pir__JA0167 prolamin 17 precursor - rice >gi_557590 (M23745) prolamine [Oryza sativa]		

Seq. No.	2105	Seq. ID	OJ990513_14.9C16.C10
Gene No.	4461	Strand	+
Start	1	End	3497
Name	OJ990513_14.9C16.C10.o1.np	Method	AAT/NAP
Start	484	End	1951
GI	4126695	Score	145
Exons	484..638, 1923..1951		
GI Descrip.	(AB016505) prolamin [Oryza sativa]		

Seq. No.	2105	Seq. ID	OJ990513_14.9C16.C10
Gene No.	4461	Strand	+
Start	1	End	3497
Name	OJ990513_14.9C16.C10.o1.gs	Method	GENSCAN
Start	1643	End	3131
GI	none	Score	.58
Exons	1643..1821, 2415..3131		

Seq. No.	2105	Seq. ID	OJ990513_14.9C16.C10
Gene No.	4462	Strand	-
Start	1304	End	1683
Name	OJ990513_14.9C16.C10.o2.gp	Method	AAT/GAP
Start	1304	End	1683
GI	uC-osf1cyp033a04b1	Score	633
Exons	1304..1683		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	2106	Seq. ID	OJ990513_14.9C16.C11
Gene No.	4463	Strand	+
Start	1	End	1909
Name	OJ990513_14.9C16.C11.o1.np	Method	AAT/NAP
Start	1	End	1909
GI	4680186	Score	120
Exons	1..31, 1684..1909		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	2106	Seq. ID	OJ990513_14.9C16.C11
Gene No.	4463	Strand	+
Start	1	End	1909
Name	OJ990513_14.9C16.C11.o1.gs	Method	GENSCAN
Start	874	End	1763
GI	none	Score	.41
Exons	874..954, 1596..1763		

Seq. No.	2106	Seq. ID	OJ990513_14.9C16.C11
Gene No.	4464	Strand	-
Start	1	End	207
Name	OJ990513_14.9C16.C11.o1.gp	Method	AAT/GAP
Start	1	End	207
GI	2798882	Score	366
Exons	1..207		
GI Descrip.	4126695/dbj|BAA36699| 1.0e-18 (AB016505) prolamin [Oryza sativa]		

Seq. No.	2106	Seq. ID	OJ990513_14.9C16.C11
Gene No.	4465	Strand	-
Start	2300	End	3889
Name	OJ990513_14.9C16.C11.o2.np	Method	AAT/NAP
Start	2300	End	3889
GI	6907087	Score	610
Exons	2300..2401, 2938..3889		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2107	Seq. ID	OJ990513_14.9C16.C12
Gene No.	4466	Strand	+
Start	400	End	492
Name	OJ990513_14.9C16.C12.o1.np	Method	AAT/NAP
Start	400	End	492
GI	4126695	Score	126
Exons	400..492		
GI Descrip.	(AB016505) prolamin [Oryza sativa]		

Seq. No.	2107	Seq. ID	OJ990513_14.9C16.C12
Gene No.	4467	Strand	-
Start	401	End	664
Name	OJ990513_14.9C16.C12.o1.gp	Method	AAT/GAP
Start	401	End	664
GI	2798882	Score	450
Exons	401..664		
GI Descrip.	4126695/dbj|BAA36699| 1.0e-18 (AB016505) prolamin [Oryza sativa]		

Seq. No.	2108	Seq. ID	OJ990513_14.9C16.C16
Gene No.	4468	Strand	+
Start	556	End	613
Name	OJ990513_14.9C16.C16.o1.gs	Method	GENSCAN
Start	556	End	613
GI	none	Score	.75
Exons	556..613		

Seq. No.	2108	Seq. ID	OJ990513_14.9C16.C16
Gene No.	4469	Strand	+

Start	889	End	946
Name	OJ990513_14.9C16.C16.o1.gp	Method	AAT/GAP
Start	889	End	946
GI	2798882	Score	67
Exons	889..946		
GI Descrip.	4126695/dbj|BAA36699| 1.0e-18 (AB016505) prolamin [Oryza sativa]		

Seq. No.	2109	Seq. ID	OJ990513_14.9C16.C17
Gene No.	4470	Strand	+
Start	494	End	1320
Name	OJ990513_14.9C16.C17.o1.np	Method	AAT/NAP
Start	494	End	1320
GI	6907087	Score	524
Exons	494..1320		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2109	Seq. ID	OJ990513_14.9C16.C17
Gene No.	4471	Strand	-
Start	675	End	1212
Name	OJ990513_14.9C16.C17.o1.gs	Method	GENSCAN
Start	675	End	1212
GI	none	Score	.96
Exons	675..847, 882..1212		

Seq. No.	2110	Seq. ID	OJ990513_14.9C16.C18
Gene No.	4472	Strand	+
Start	467	End	664
Name	OJ990513_14.9C16.C18.o1.np	Method	AAT/NAP
Start	467	End	664
GI	4680185	Score	212
Exons	467..664		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	2110	Seq. ID	OJ990513_14.9C16.C18
Gene No.	4473	Strand	-
Start	327	End	400
Name	OJ990513_14.9C16.C18.o1.gs	Method	GENSCAN
Start	327	End	400
GI	none	Score	.47
Exons	327..400		

Seq. No.	2111	Seq. ID	OJ990513_14.9C16.C19
Gene No.	4474	Strand	-
Start	40	End	240
Name	OJ990513_14.9C16.C19.o1.gp	Method	AAT/GAP
Start	40	End	240
GI	101153_1.R1084	Score	262
Exons	40..240		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	2112	Seq. ID	OJ990513_14.9C16.C20
Gene No.	4475	Strand	+
Start	1	End	475
Name	OJ990513_14.9C16.C20.o1.np	Method	AAT/NAP

Start	1	End	475
GI	6907087	Score	202
Exons	1..475		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2113	Seq. ID	OJ990513_14.9C16.C21
Gene No.	4476	Strand	+
Start	310	End	780
Name	OJ990513_14.9C16.C21.o1.gs	Method	GENSCAN
Start	310	End	780
GI	none	Score	.41
Exons	310..780		

Seq. No.	2113	Seq. ID	OJ990513_14.9C16.C21
Gene No.	4476	Strand	+
Start	310	End	780
Name	OJ990513_14.9C16.C21.o1.np	Method	AAT/NAP
Start	310	End	777
GI	4126695	Score	740
Exons	310..777		
GI Descrip.	(AB016505) prolamin [Oryza sativa]		

Seq. No.	2113	Seq. ID	OJ990513_14.9C16.C21
Gene No.	4477	Strand	+
Start	3182	End	3255
Name	OJ990513_14.9C16.C21.o3.gp	Method	AAT/GAP
Start	3182	End	3255
GI	uC-osf1M202097d10b1	Score	111
Exons	3182..3255		
GI Descrip.	'4062935/dbj|AB003495.1|AB003495 3.0e-14 Oryza sativa DNA for dihydroflavonol 4-reductase, complete cds'		

Seq. No.	2113	Seq. ID	OJ990513_14.9C16.C21
Gene No.	4478	Strand	-
Start	215	End	919
Name	OJ990513_14.9C16.C21.o1.gp	Method	AAT/GAP
Start	215	End	919
GI	67_1.R1084	Score	1157
Exons	215..919		
GI Descrip.	'4126695/dbj|BAA36699| 1.0e-39 (AB016505) prolamin [Oryza sativa]'		

Seq. No.	2114	Seq. ID	OJ990513_14.9C16.C22
Gene No.	4479	Strand	+
Start	1	End	799
Name	OJ990513_14.9C16.C22.o1.np	Method	AAT/NAP
Start	1	End	799
GI	6907087	Score	258
Exons	1..157, 698..799		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2114	Seq. ID	OJ990513_14.9C16.C22
Gene No.	4479	Strand	+

Start	1	End	799
Name	OJ990513_14.9C16.C22.o1.gs	Method	GENSCAN
Start	77	End	380
GI	none	Score	.53
Exons	77..157, 163..380		

Seq. No.	2114	Seq. ID	OJ990513_14.9C16.C22
Gene No.	4480	Strand	-
Start	692	End	1553
Name	OJ990513_14.9C16.C22.o2.gs	Method	GENSCAN
Start	692	End	1303
GI	none	Score	.68
Exons	692..798, 1195..1303		

Seq. No.	2114	Seq. ID	OJ990513_14.9C16.C22
Gene No.	4480	Strand	-
Start	692	End	1553
Name	OJ990513_14.9C16.C22.o2.np	Method	AAT/NAP
Start	1192	End	1553
GI	4680186	Score	122
Exons	1192..1344, 1499..1553		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	2115	Seq. ID	OJ990513_14.9C16.C23
Gene No.	4481	Strand	+
Start	394	End	775
Name	OJ990513_14.9C16.C23.o1.gp	Method	AAT/GAP
Start	394	End	775
GI	uC-osflcyp033a04b1	Score	659
Exons	394..775		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	2115	Seq. ID	OJ990513_14.9C16.C23
Gene No.	4482	Strand	-
Start	327	End	1543
Name	OJ990513_14.9C16.C23.o1.np	Method	AAT/NAP
Start	327	End	1543
GI	4680186	Score	362
Exons	327..527, 1356..1543		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	2116	Seq. ID	OJ990513_14.9C16.C24
Gene No.	4483	Strand	+
Start	295	End	3212
Name	OJ990513_14.9C16.C24.o1.gs	Method	GENSCAN
Start	295	End	3212
GI	none	Score	.51
Exons	295..454, 621..638, 766..918, 1119..1281, 1298..1370, 2928..3212		

Seq. No.	2116	Seq. ID	OJ990513_14.9C16.C24
Gene No.	4484	Strand	-
Start	4273	End	5541
Name	OJ990513_14.9C16.C24.o1.np	Method	AAT/NAP
Start	4273	End	5541
GI	6691716	Score	1455
Exons	4273..4472, 4669..5541		

GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	2116	Seq. ID	OJ990513_14.9C16.C24
Gene No.	4484	Strand	-
Start	4273	End	5541
Name	OJ990513_14.9C16.C24.o1.tw	Method	TBLASTX:Wheat
Start	5132	End	5423
GI	none	Score	60
Exons	5132..5422, 5340..5423		
Seq. No.	2117	Seq. ID	OJ990513_14.9C16.C25
Gene No.	4485	Strand	+
Start	3197	End	4342
Name	OJ990513_14.9C16.C25.o1.gs	Method	GENSCAN
Start	3197	End	4342
GI	none	Score	.8
Exons	3197..3234, 3952..4026, 4168..4342		
Seq. No.	2117	Seq. ID	OJ990513_14.9C16.C25
Gene No.	4486	Strand	-
Start	4860	End	5027
Name	OJ990513_14.9C16.C25.o2.gs	Method	GENSCAN
Start	4860	End	5027
GI	none	Score	.99
Exons	4860..5027		
Seq. No.	2118	Seq. ID	OJ990513_14.9C16.C26
Gene No.	4487	Strand	+
Start	84	End	268
Name	OJ990513_14.9C16.C26.o1.gs	Method	GENSCAN
Start	84	End	268
GI	none	Score	.74
Exons	84..268		
Seq. No.	2118	Seq. ID	OJ990513_14.9C16.C26
Gene No.	4488	Strand	+
Start	2519	End	3555
Name	OJ990513_14.9C16.C26.o2.np	Method	AAT/NAP
Start	2519	End	3555
GI	130959	Score	87
Exons	2519..2675, 3284..3555		
GI Descrip.	PROLAMIN PPROL 17 PRECURSOR gi|82504|pir||JA0167 prolamin 17 precursor - rice gi|557590 (M23745) prolamine [Oryza sativa]		
Seq. No.	2118	Seq. ID	OJ990513_14.9C16.C26
Gene No.	4489	Strand	-
Start	1	End	1941
Name	OJ990513_14.9C16.C26.o1.np	Method	AAT/NAP
Start	1	End	1941
GI	6069646	Score	448
Exons	1..79, 1070..1941		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248)		

[Oryza sativa]

Seq. No.	2118	Seq. ID	OJ990513_14.9C16.C26
Gene No.	4490	Strand	-
Start	5167	End	8532
Name	OJ990513_14.9C16.C26.o3.np	Method	AAT/NAP
Start	5167	End	8532
GI	2493814	Score	597
Exons	5167..5257, 5285..5794, 7859..8532		
GI Descrip.	HYPOTHETICAL 46.4 KD PROTEIN SLL1917 gi|1652349|dbj|BAA17272| (D90904) oxygen independent coprophorphyrinogen III oxidase [Synechocystis sp.]		

Seq. No.	2118	Seq. ID	OJ990513_14.9C16.C26
Gene No.	4491	Strand	-
Start	12298	End	13744
Name	OJ990513_14.9C16.C26.o1.tm	Method	TBLASTX:Maize
Start	1011	End	1568
GI	none	Score	59
Exons	1011..1568, 1168..1320, 1411..1548		

Seq. No.	2118	Seq. ID	OJ990513_14.9C16.C26
Gene No.	4491	Strand	-
Start	12298	End	13744
Name	OJ990513_14.9C16.C26.o3.tm	Method	TBLASTX:Maize
Start	1578	End	2061
GI	none	Score	95
Exons	1578..1667, 1653..1793, 1801..1896, 1924..2061		

Seq. No.	2118	Seq. ID	OJ990513_14.9C16.C26
Gene No.	4491	Strand	-
Start	12298	End	13744
Name	OJ990513_14.9C16.C26.o2.tm	Method	TBLASTX:Maize
Start	2071	End	2505
GI	none	Score	162
Exons	2071..2505, 2237..2455		

Seq. No.	2118	Seq. ID	OJ990513_14.9C16.C26
Gene No.	4491	Strand	-
Start	12298	End	13744
Name	OJ990513_14.9C16.C26.o3.gs	Method	GENSCAN
Start	12298	End	13744
GI	none	Score	.79
Exons	12298..12363, 13636..13744		

Seq. No.	2119	Seq. ID	OJ990513_14.9C16.C27
Gene No.	4492	Strand	+
Start	1	End	4578
Name	OJ990513_14.9C16.C27.o1.np	Method	AAT/NAP
Start	1	End	1690
GI	4468804	Score	976
Exons	1..30, 377..1690		
GI Descrip.	(AL035601) putative protein [Arabidopsis thaliana]		

Seq. No.	2119	Seq. ID	OJ990513_14.9C16.C27
Gene No.	4492	Strand	+
Start	1	End	4578

Name	OJ990513_14.9C16.C27.o1.gs	Method	GENSCAN
Start	287	End	3696
GI	none	Score	.94
Exons	287..1689, 2598..2722, 2777..2842, 3497..3696		

Seq. No.	2119	Seq. ID	OJ990513_14.9C16.C27
Gene No.	4492	Strand	+
Start	1	End	4578
Name	OJ990513_14.9C16.C27.o1.gp	Method	AAT/GAP
Start	505	End	841
GI	LIB3474-011-P1-K1-H1	Score	670
Exons	505..841		
GI Descrip.	'4468804/emb|CAB38205| 6.0e-21 (AL035601) putative protein [Arabidopsis thaliana]'		

Seq. No.	2119	Seq. ID	OJ990513_14.9C16.C27
Gene No.	4492	Strand	+
Start	1	End	4578
Name	OJ990513_14.9C16.C27.o2.np	Method	AAT/NAP
Start	650	End	3697
GI	3582335	Score	690
Exons	650..703, 742..881, 3138..3476, 3508..3697		
GI Descrip.	(AC005496) putative thiamin biosynthesis protein [Arabidopsis thaliana]		

Seq. No.	2119	Seq. ID	OJ990513_14.9C16.C27
Gene No.	4492	Strand	+
Start	1	End	4578
Name	OJ990513_14.9C16.C27.o2.gp	Method	AAT/GAP
Start	1776	End	2264
GI	none	Score	936
Exons	1776..2264		

Seq. No.	2119	Seq. ID	OJ990513_14.9C16.C27
Gene No.	4492	Strand	+
Start	1	End	4578
Name	OJ990513_14.9C16.C27.o3.gp	Method	AAT/GAP
Start	3430	End	4578
GI	uC-osrocyp006c11a1	Score	878
Exons	3430..3477, 3509..3697, 4352..4578		
GI Descrip.	'3582335 1.0e-27 (AC005496) unknown protein [Arabidopsis thaliana]'		

Seq. No.	2119	Seq. ID	OJ990513_14.9C16.C27
Gene No.	4493	Strand	-
Start	3886	End	12152
Name	OJ990513_14.9C16.C27.o3.np	Method	AAT/NAP
Start	3886	End	11080
GI	4680207	Score	1195
Exons	3886..3974, 5254..7140, 7740..8546, 11058..11080		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	2119	Seq. ID	OJ990513_14.9C16.C27
Gene No.	4493	Strand	-
Start	3886	End	12152
Name	OJ990513_14.9C16.C27.o2.gs	Method	GENSCAN

Start	4846	End	12152
GI	none	Score	.63
Exons	4846..5034, 5094..5119, 5146..5357, 5647..7224, 7740..8626, 8870..9024, 9114..9181, 10373..10542, 12117..12152		

Seq. No.	2119	Seq. ID	OJ990513_14.9C16.C27
Gene No.	4494	Strand	-
Start	13828	End	14188
Name	OJ990513_14.9C16.C27.o3.tc	Method	TBLASTX:Cress
Start	299	End	967
GI	none	Score	89
Exons	299..553, 323..538, 326..538, 394..474, 572..757, 572..643, 574..756, 578..757, 773..865, 823..864, 860..967		

Seq. No.	2119	Seq. ID	OJ990513_14.9C16.C27
Gene No.	4494	Strand	-
Start	13828	End	14188
Name	OJ990513_14.9C16.C27.o2.tw	Method	TBLASTX:Wheat
Start	323	End	769
GI	none	Score	112
Exons	323..478, 394..438, 395..538, 556..648, 557..769, 566..769		

Seq. No.	2119	Seq. ID	OJ990513_14.9C16.C27
Gene No.	4494	Strand	-
Start	13828	End	14188
Name	OJ990513_14.9C16.C27.o6.tm	Method	TBLASTX:Maize
Start	323	End	1072
GI	none	Score	84
Exons	323..538, 323..547, 326..565, 383..460, 394..528, 572..778, 575..778, 584..769, 875..967, 950..1072		

Seq. No.	2119	Seq. ID	OJ990513_14.9C16.C27
Gene No.	4494	Strand	-
Start	13828	End	14188
Name	OJ990513_14.9C16.C27.o4.ts	Method	TBLASTX:Soybean
Start	710	End	1123
GI	none	Score	50
Exons	710..757, 714..752, 784..864, 785..865, 863..967, 863..967, 971..1087, 972..1019, 1007..1123		

Seq. No.	2119	Seq. ID	OJ990513_14.9C16.C27
Gene No.	4494	Strand	-
Start	13828	End	14188
Name	OJ990513_14.9C16.C27.o2.tm	Method	TBLASTX:Maize
Start	1100	End	1678
GI	none	Score	386
Exons	1100..1648, 1234..1578, 1658..1678		

Seq. No.	2119	Seq. ID	OJ990513_14.9C16.C27
Gene No.	4494	Strand	-
Start	13828	End	14188
Name	OJ990513_14.9C16.C27.o2.tc	Method	TBLASTX:Cress
Start	1184	End	1693
GI	none	Score	475
Exons	1184..1693, 1228..1692		

Seq. No.	2119	Seq. ID	OJ990513_14.9C16.C27

Gene No.	4494	Strand	-
Start	13828	End	14188
Name	OJ990513_14.9C16.C27.o2.ts	Method	TBLASTX:Soybean
Start	1325	End	1693
GI	none	Score	373
Exons	1325..1693, 1336..1692		

Seq. No.	2119	Seq. ID	OJ990513_14.9C16.C27
Gene No.	4494	Strand	-
Start	13828	End	14188
Name	OJ990513_14.9C16.C27.o1.tc	Method	TBLASTX:Cress
Start	3138	End	3689
GI	none	Score	195
Exons	3138..3476, 3176..3469, 3183..3476, 3489..3680, 3490..3681, 3498..3689		

Seq. No.	2119	Seq. ID	OJ990513_14.9C16.C27
Gene No.	4494	Strand	-
Start	13828	End	14188
Name	OJ990513_14.9C16.C27.o1.tm	Method	TBLASTX:Maize
Start	3138	End	3702
GI	none	Score	487
Exons	3138..3476, 3175..3477, 3183..3476, 3397..3477, 3459..3506, 3487..3699, 3488..3700, 3489..3698, 3489..3701, 3490..3702		

Seq. No.	2119	Seq. ID	OJ990513_14.9C16.C27
Gene No.	4494	Strand	-
Start	13828	End	14188
Name	OJ990513_14.9C16.C27.o1.ts	Method	TBLASTX:Soybean
Start	3141	End	3693
GI	none	Score	119
Exons	3141..3476, 3178..3351, 3178..3489, 3183..3476, 3374..3496, 3489..3566, 3490..3552, 3562..3693, 3562..3687		

Seq. No.	2119	Seq. ID	OJ990513_14.9C16.C27
Gene No.	4494	Strand	-
Start	13828	End	14188
Name	OJ990513_14.9C16.C27.o3.ts	Method	TBLASTX:Soybean
Start	6159	End	7184
GI	none	Score	99
Exons	6159..6275, 6429..6668, 6676..6834, 6684..6824, 6813..6992, 7095..7184		

Seq. No.	2119	Seq. ID	OJ990513_14.9C16.C27
Gene No.	4494	Strand	-
Start	13828	End	14188
Name	OJ990513_14.9C16.C27.o1.tw	Method	TBLASTX:Wheat
Start	6264	End	6719
GI	none	Score	128
Exons	6264..6395, 6417..6719, 6487..6717		

Seq. No.	2119	Seq. ID	OJ990513_14.9C16.C27
Gene No.	4494	Strand	-
Start	13828	End	14188
Name	OJ990513_14.9C16.C27.o4.tm	Method	TBLASTX:Maize
Start	6453	End	6975
GI	none	Score	100

Exons	6453..6656, 6490..6666, 6673..6834, 6684..6848, 6851..6970, 6895..6975		
Seq. No.	2119	Seq. ID	OJ990513_14.9C16.C27
Gene No.	4494	Strand	-
Start	13828	End	14188
Name	OJ990513_14.9C16.C27.o5.tm	Method	TBLASTX:Maize
Start	7823	End	8117
GI	none	Score	165
Exons	7823..8104, 7836..8117		
Seq. No.	2119	Seq. ID	OJ990513_14.9C16.C27
Gene No.	4494	Strand	-
Start	13828	End	14188
Name	OJ990513_14.9C16.C27.o3.tm	Method	TBLASTX:Maize
Start	13649	End	14028
GI	none	Score	213
Exons	13649..13876, 13651..13872, 13676..13873, 13931..14023, 13934..14026, 13941..14027, 13945..14028		
Seq. No.	2119	Seq. ID	OJ990513_14.9C16.C27
Gene No.	4494	Strand	-
Start	13828	End	14188
Name	OJ990513_14.9C16.C27.o5.np	Method	AAT/NAP
Start	13828	End	14188
GI	6815097	Score	346
Exons	13828..14188		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		
Seq. No.	2120	Seq. ID	OJ990513_14.9C16.C28
Gene No.	4495	Strand	-
Start	1	End	1388
Name	OJ990513_14.9C16.C28.o1.np	Method	AAT/NAP
Start	1	End	1388
GI	6815097	Score	1245
Exons	1..97, 123..496, 638..1388		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		
Seq. No.	2120	Seq. ID	OJ990513_14.9C16.C28
Gene No.	4495	Strand	-
Start	1	End	1388
Name	OJ990513_14.9C16.C28.o2.tm	Method	TBLASTX:Maize
Start	2	End	230
GI	none	Score	81
Exons	2..88, 3..89, 3..89, 112..213, 114..230		
Seq. No.	2120	Seq. ID	OJ990513_14.9C16.C28
Gene No.	4495	Strand	-
Start	1	End	1388
Name	OJ990513_14.9C16.C28.o1.gs	Method	GENSCAN
Start	160	End	1005
GI	none	Score	.71
Exons	160..1005		
Seq. No.	2120	Seq. ID	OJ990513_14.9C16.C28

Gene No.	4495	Strand	-
Start	1	End	1388
Name	OJ990513_14.9C16.C28.o1.tm	Method	TBLASTX:Maize
Start	574	End	1008
GI	none	Score	134
Exons	574..744, 790..1008		

Seq. No.	2120	Seq. ID	OJ990513_14.9C16.C28
Gene No.	4495	Strand	-
Start	1	End	1388
Name	OJ990513_14.9C16.C28.o1.ts	Method	TBLASTX:Soybean
Start	665	End	1110
GI	5509260	Score	82
Exons	665..745, 673..744, 772..1110, 904..1107		
GI Descrip.	-		

Seq. No.	2120	Seq. ID	OJ990513_14.9C16.C28
Gene No.	4495	Strand	-
Start	1	End	1388
Name	OJ990513_14.9C16.C28.o1.tw	Method	TBLASTX:Wheat
Start	679	End	1029
GI	none	Score	87
Exons	679..744, 778..1029, 920..1027		

Seq. No.	2120	Seq. ID	OJ990513_14.9C16.C28
Gene No.	4495	Strand	-
Start	1	End	1388
Name	OJ990513_14.9C16.C28.o1.tc	Method	TBLASTX:Cress
Start	796	End	1059
GI	none	Score	190
Exons	796..1059		

Seq. No.	2121	Seq. ID	OJ990513_14.9C16.C29
Gene No.	4496	Strand	+
Start	176	End	741
Name	OJ990513_14.9C16.C29.o1.gp	Method	AAT/GAP
Start	176	End	741
GI	4879016	Score	897
Exons	176..741		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	2121	Seq. ID	OJ990513_14.9C16.C29
Gene No.	4496	Strand	+
Start	176	End	741
Name	OJ990513_14.9C16.C29.o1.gs	Method	GENSCAN
Start	350	End	496
GI	none	Score	.65
Exons	350..496		

Seq. No.	2121	Seq. ID	OJ990513_14.9C16.C29
Gene No.	4497	Strand	-
Start	1	End	4529
Name	OJ990513_14.9C16.C29.o1.np	Method	AAT/NAP
Start	1	End	4454
GI	6815097	Score	1635

Exons	1..48, 1624..2356, 2471..3088, 3593..4454		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		
Seq. No.	2121	Seq. ID	OJ990513_14.9C16.C29
Gene No.	4497	Strand	-
Start	1	End	4529
Name	OJ990513_14.9C16.C29.o2.gs	Method	GENSCAN
Start	1405	End	4529
GI	none	Score	.6
Exons	1405..1496, 1673..1987, 2032..3027, 3451..3662, 3742..4529		
Seq. No.	2121	Seq. ID	OJ990513_14.9C16.C29
Gene No.	4497	Strand	-
Start	1	End	4529
Name	OJ990513_14.9C16.C29.o1.tc	Method	TBLASTX:Cress
Start	4116	End	4370
GI	none	Score	186
Exons	4116..4370		
Seq. No.	2122	Seq. ID	OJ990513_14.9C16.C30
Gene No.	4498	Strand	+
Start	32	End	608
Name	OJ990513_14.9C16.C30.o1.gs	Method	GENSCAN
Start	32	End	608
GI	none	Score	.78
Exons	32..345, 356..608		
Seq. No.	2123	Seq. ID	OJ990513_14.9C16.C31
Gene No.	4499	Strand	+
Start	232	End	494
Name	OJ990513_14.9C16.C31.o1.gp	Method	AAT/GAP
Start	232	End	494
GI	5005063	Score	522
Exons	232..494		
Seq. No.	2123	Seq. ID	OJ990513_14.9C16.C31
Gene No.	4500	Strand	-
Start	587	End	750
Name	OJ990513_14.9C16.C31.o1.gs	Method	GENSCAN
Start	587	End	750
GI	none	Score	.77
Exons	587..750		
Seq. No.	2124	Seq. ID	OJ990513_14.9C16.C32
Gene No.	4501	Strand	-
Start	31	End	713
Name	OJ990513_14.9C16.C32.o1.np	Method	AAT/NAP
Start	31	End	713
GI	6063554	Score	129
Exons	31..203, 683..713		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	2125	Seq. ID	OJ990513_14.9C16.C34
Gene No.	4502	Strand	+

Start	776	End	834
Name	OJ990513_14.9C16.C34.o1.gs	Method	GENSCAN
Start	776	End	834
GI	none	Score	.87
Exons	776..834		

Seq. No.	2126	Seq. ID	OJ990513_14.9C16.C35
Gene No.	4503	Strand	+
Start	1	End	3661
Name	OJ990513_14.9C16.C35.o1.np	Method	AAT/NAP
Start	1	End	1042
GI	4539658	Score	188
Exons	1..56, 636..762, 880..1042		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	2126	Seq. ID	OJ990513_14.9C16.C35
Gene No.	4503	Strand	+
Start	1	End	3661
Name	OJ990513_14.9C16.C35.o1.gs	Method	GENSCAN
Start	928	End	3661
GI	none	Score	.43
Exons	928..1062, 3143..3548, 3557..3661		

Seq. No.	2126	Seq. ID	OJ990513_14.9C16.C35
Gene No.	4504	Strand	-
Start	2114	End	3864
Name	OJ990513_14.9C16.C35.o2.np	Method	AAT/NAP
Start	2114	End	3864
GI	6063554	Score	267
Exons	2114..2284, 2908..2939, 3281..3480, 3743..3864		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2127	Seq. ID	OJ990513_14.9C16.C36
Gene No.	4505	Strand	-
Start	184	End	531
Name	OJ990513_14.9C16.C36.o1.gs	Method	GENSCAN
Start	184	End	531
GI	none	Score	.61
Exons	184..531		

Seq. No.	2128	Seq. ID	OJ990513_14.9C16.C37
Gene No.	4506	Strand	-
Start	101	End	747
Name	OJ990513_14.9C16.C37.o1.gs	Method	GENSCAN
Start	101	End	747
GI	none	Score	.45
Exons	101..499, 597..747		

Seq. No.	2129	Seq. ID	OJ990513_14.9C16.C38
Gene No.	4507	Strand	+
Start	1	End	310
Name	OJ990513_14.9C16.C38.o1.gp	Method	AAT/GAP
Start	1	End	310
GI	uC-osflcyp033a04b1	Score	133

Exons	1..80, 287..310		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	2129	Seq. ID	OJ990513_14.9C16.C38
Gene No.	4508	Strand	-
Start	1	End	310
Name	OJ990513_14.9C16.C38.o1.np	Method	AAT/NAP
Start	1	End	310
GI	4680186	Score	110
Exons	1..80, 288..310		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	2130	Seq. ID	OJ990513_14.9C16.C39
Gene No.	4509	Strand	-
Start	1	End	730
Name	OJ990513_14.9C16.C39.o1.np	Method	AAT/NAP
Start	1	End	730
GI	4680180	Score	406
Exons	1..311, 654..730		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2130	Seq. ID	OJ990513_14.9C16.C39
Gene No.	4509	Strand	-
Start	1	End	730
Name	OJ990513_14.9C16.C39.o1.tw	Method	TBLASTX:Wheat
Start	3	End	290
GI	none	Score	151
Exons	3..290, 55..270		

Seq. No.	2131	Seq. ID	OJ990723_10.9C01.C3
Gene No.	4510	Strand	+
Start	4846	End	8592
Name	OJ990723_10.9C01.C3.o2.np	Method	AAT/NAP
Start	4794	End	8592
GI	4680203	Score	277
Exons	4794..5248, 8557..8592		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	2131	Seq. ID	OJ990723_10.9C01.C3
Gene No.	4510	Strand	+
Start	4846	End	8592
Name	OJ990723_10.9C01.C3.o2.gs	Method	GENSCAN
Start	4846	End	5271
GI	none	Score	.6
Exons	4846..5271		

Seq. No.	2131	Seq. ID	OJ990723_10.9C01.C3
Gene No.	4510	Strand	+
Start	4846	End	8592
Name	OJ990723_10.9C01.C3.o3.gs	Method	GENSCAN
Start	5673	End	7726
GI	none	Score	.45
Exons	5673..5816, 6356..6576, 7654..7726		

Seq. No.	2131	Seq. ID	OJ990723_10.9C01.C3
Gene No.	4511	Strand	-

Start	1	End	3861
Name	OJ990723_10.9C01.C3.o1.np	Method	AAT/NAP
Start	1	End	2436
GI	3687239	Score	402
Exons	1..143, 2075..2161, 2296..2436		
GI Descrip.	(AC005169) putative clathrin assembly protein [Arabidopsis thaliana]		

Seq. No.	2131	Seq. ID	OJ990723_10.9C01.C3
Gene No.	4511	Strand	-
Start	1	End	3861
Name	OJ990723_10.9C01.C3.o1.gp	Method	AAT/GAP
Start	75	End	2449
GI	71977_1.R1084	Score	557
Exons	75..143, 2075..2161, 2296..2449		
GI Descrip.	'3687239 8.0e-53 (AC005169) putative clathrin coat assembly protein [Arabidopsis thaliana]'		

Seq. No.	2131	Seq. ID	OJ990723_10.9C01.C3
Gene No.	4511	Strand	-
Start	1	End	3861
Name	OJ990723_10.9C01.C3.o1.gs	Method	GENSCAN
Start	1028	End	3861
GI	none	Score	.48
Exons	1028..1156, 2075..2230, 2296..2493, 3802..3861		

Seq. No.	2131	Seq. ID	OJ990723_10.9C01.C3
Gene No.	4512	Strand	-
Start	11191	End	15698
Name	OJ990723_10.9C01.C3.o3.np	Method	AAT/NAP
Start	8968	End	13147
GI	6721549	Score	118
Exons	8968..9010, 12486..13147		
GI Descrip.	(AP001073) Similar to Disease resistance gene homolog 9N. (AF105140) [Oryza sativa]		

Seq. No.	2131	Seq. ID	OJ990723_10.9C01.C3
Gene No.	4512	Strand	-
Start	11191	End	15698
Name	OJ990723_10.9C01.C3.o4.gs	Method	GENSCAN
Start	11191	End	15698
GI	none	Score	.66
Exons	11191..11295, 12087..12269, 12495..12566, 12877..13147, 13273..13367, 13960..14061, 15651..15698		

Seq. No.	2131	Seq. ID	OJ990723_10.9C01.C3
Gene No.	4512	Strand	-
Start	11191	End	15698
Name	OJ990723_10.9C01.C3.o4.np	Method	AAT/NAP
Start	13913	End	15324
GI	2982435	Score	80
Exons	13913..14103, 15281..15324		
GI Descrip.	(AL022224) retrotransposon like protein (fragment) [Arabidopsis thaliana]		

Seq. No.	2131	Seq. ID	OJ990723_10.9C01.C3
Gene No.	4513	Strand	-

Start	20907	End	21816
Name	OJ990723_10.9C01.C3.o6.gs	Method	GENSCAN
Start	20907	End	21816
GI	none	Score	.72
Exons	20907..21122, 21748..21816		

Seq. No.	2131	Seq. ID	OJ990723_10.9C01.C3
Gene No.	4514	Strand	-
Start	22417	End	24160
Name	OJ990723_10.9C01.C3.o1.tc	Method	TBLASTX:Cress
Start	75	End	2436
GI	none	Score	77
Exons	75..146, 76..144, 2013..2165, 2075..2236, 2296..2436, 2300..2425		

Seq. No.	2131	Seq. ID	OJ990723_10.9C01.C3
Gene No.	4514	Strand	-
Start	22417	End	24160
Name	OJ990723_10.9C01.C3.o1.ts	Method	TBLASTX:Soybean
Start	75	End	2436
GI	none	Score	86
Exons	75..146, 76..144, 2010..2165, 2075..2164, 2133..2174, 2296..2436, 2303..2428		

Seq. No.	2131	Seq. ID	OJ990723_10.9C01.C3
Gene No.	4514	Strand	-
Start	22417	End	24160
Name	OJ990723_10.9C01.C3.o1.tm	Method	TBLASTX:Maize
Start	75	End	2439
GI	none	Score	95
Exons	75..146, 75..146, 2010..2165, 2075..2164, 2296..2439, 2300..2428		

Seq. No.	2131	Seq. ID	OJ990723_10.9C01.C3
Gene No.	4514	Strand	-
Start	22417	End	24160
Name	OJ990723_10.9C01.C3.o5.np	Method	AAT/NAP
Start	22367	End	23676
GI	5042439	Score	536
Exons	22367..22708, 22787..22835, 23329..23439, 23573..23676		
GI Descrip.	(AC007789) putative DNA-binding protein [Oryza sativa]		

Seq. No.	2131	Seq. ID	OJ990723_10.9C01.C3
Gene No.	4514	Strand	-
Start	22417	End	24160
Name	OJ990723_10.9C01.C3.o7.gs	Method	GENSCAN
Start	22417	End	24160
GI	none	Score	.4
Exons	22417..22696, 22787..22901, 23275..23681, 24015..24063, 24106..24160		

Seq. No.	2132	Seq. ID	OJ990723_10.9C01.C4
Gene No.	4515	Strand	+
Start	25	End	630
Name	OJ990723_10.9C01.C4.o1.gs	Method	GENSCAN
Start	25	End	630
GI	none	Score	1
Exons	25..630		

Seq. No.	2132	Seq. ID	OJ990723_10.9C01.C4
Gene No.	4516	Strand	-
Start	1476	End	1583
Name	OJ990723_10.9C01.C4.o2.gs	Method	GENSCAN
Start	1476	End	1583
GI	none	Score	.41
Exons	1476..1583		

Seq. No.	2133	Seq. ID	OJ990723_10.9C01.C5
Gene No.	4517	Strand	-
Start	133	End	769
Name	OJ990723_10.9C01.C5.o1.gs	Method	GENSCAN
Start	133	End	769
GI	none	Score	.75
Exons	133..404, 477..663, 706..769		

Seq. No.	2134	Seq. ID	OJ990723_10.9C01.C6
Gene No.	4518	Strand	-
Start	1	End	584
Name	OJ990723_10.9C01.C6.o1.np	Method	AAT/NAP
Start	1	End	584
GI	6815089	Score	557
Exons	1..364, 457..584		
GI Descrip.	(AP001081) Similar to glutamyl-tRNA synthetase (AF067773) [Oryza sativa]		

Seq. No.	2134	Seq. ID	OJ990723_10.9C01.C6
Gene No.	4518	Strand	-
Start	1	End	584
Name	OJ990723_10.9C01.C6.o1.tm	Method	TBLASTX:Maize
Start	1	End	524
GI	none	Score	70
Exons	1..63, 2..64, 6..74, 6..77, 29..253, 42..377, 48..362, 67..378, 269..394, 284..391, 455..523, 456..524		

Seq. No.	2134	Seq. ID	OJ990723_10.9C01.C6
Gene No.	4518	Strand	-
Start	1	End	584
Name	OJ990723_10.9C01.C6.o1.tc	Method	TBLASTX:Cress
Start	2	End	554
GI	none	Score	61
Exons	2..64, 3..77, 42..188, 48..164, 67..168, 201..377, 234..362, 238..378, 455..553, 456..554		

Seq. No.	2134	Seq. ID	OJ990723_10.9C01.C6
Gene No.	4518	Strand	-
Start	1	End	584
Name	OJ990723_10.9C01.C6.o1.ts	Method	TBLASTX:Soybean
Start	2	End	553
GI	none	Score	66
Exons	2..64, 3..74, 42..191, 70..165, 195..377, 226..372, 455..553, 456..539		

Seq. No.	2134	Seq. ID	OJ990723_10.9C01.C6
Gene No.	4518	Strand	-
Start	1	End	584
Name	OJ990723_10.9C01.C6.o1.gs	Method	GENSCAN

Start	135	End	364
GI	none	Score	.91
Exons	135..364		

Seq. No.	2135	Seq. ID	OJ990723_10.9C01.C8
Gene No.	4519	Strand	+
Start	52	End	217
Name	OJ990723_10.9C01.C8.o1.gs	Method	GENSCAN
Start	52	End	217
GI	none	Score	.91
Exons	52..217		

Seq. No.	2136	Seq. ID	OJ990723_10.9C01.C9
Gene No.	4520	Strand	+
Start	63	End	210
Name	OJ990723_10.9C01.C9.o1.gs	Method	GENSCAN
Start	63	End	210
GI	none	Score	.63
Exons	63..210		

Seq. No.	2137	Seq. ID	OJ990723_10.9C01.C10
Gene No.	4521	Strand	+
Start	1	End	1303
Name	OJ990723_10.9C01.C10.o1.np	Method	AAT/NAP
Start	1	End	1303
GI	4680183	Score	179
Exons	1..33, 541..632, 1212..1303		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	2137	Seq. ID	OJ990723_10.9C01.C10
Gene No.	4521	Strand	+
Start	1	End	1303
Name	OJ990723_10.9C01.C10.o1.gs	Method	GENSCAN
Start	886	End	1051
GI	none	Score	.45
Exons	886..1051		

Seq. No.	2137	Seq. ID	OJ990723_10.9C01.C10
Gene No.	4522	Strand	+
Start	3054	End	3669
Name	OJ990723_10.9C01.C10.o2.np	Method	AAT/NAP
Start	3054	End	3669
GI	6721559	Score	328
Exons	3054..3503, 3532..3669		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	2137	Seq. ID	OJ990723_10.9C01.C10
Gene No.	4523	Strand	-
Start	2594	End	3582
Name	OJ990723_10.9C01.C10.o2.gs	Method	GENSCAN
Start	2594	End	3582
GI	none	Score	.87
Exons	2594..2784, 2841..2907, 3008..3473, 3515..3525, 3556..3582		

Seq. No.	2138	Seq. ID	OJ990723_10.9C01.C11

Gene No.	4524	Strand	+
Start	6642	End	8267
Name	OJ990723_10.9C01.C11.o2.gs	Method	GENSCAN
Start	6642	End	8267
GI	none	Score	.46
Exons	6642..8267		

Seq. No.	2138	Seq. ID	OJ990723_10.9C01.C11
Gene No.	4524	Strand	+
Start	6642	End	8267
Name	OJ990723_10.9C01.C11.o1.np	Method	AAT/NAP
Start	7017	End	8264
GI	4585920	Score	1267
Exons	7017..8264		
GI Descrip.	(AC007211) putative SCARECROW gene regulator [Arabidopsis thaliana] gi|6644392|gb|AAF21044.1|AF210732_1 (AF210732) scarecrow-like 21 [Arabidopsis thaliana]		

Seq. No.	2138	Seq. ID	OJ990723_10.9C01.C11
Gene No.	4524	Strand	+
Start	6642	End	8267
Name	OJ990723_10.9C01.C11.o1.gp	Method	AAT/GAP
Start	7364	End	7856
GI	18680_1.R1084	Score	917
Exons	7364..7856		
GI Descrip.	'3108053 3.0e-70 (AF056326) myo-inositol 1-phosphate synthase; INO1 [Zea mays]'		

Seq. No.	2138	Seq. ID	OJ990723_10.9C01.C11
Gene No.	4525	Strand	+
Start	8192	End	8556
Name	OJ990723_10.9C01.C11.o1.ts	Method	TBLASTX:Soybean
Start	6993	End	8275
GI	none	Score	56
Exons	6993..7061, 7142..8173, 7146..8261, 8204..8275		

Seq. No.	2138	Seq. ID	OJ990723_10.9C01.C11
Gene No.	4525	Strand	+
Start	8192	End	8556
Name	OJ990723_10.9C01.C11.o2.tc	Method	TBLASTX:Cress
Start	7148	End	7550
GI	none	Score	205
Exons	7148..7336, 7149..7343, 7173..7337, 7344..7550, 7346..7549, 7347..7550		

Seq. No.	2138	Seq. ID	OJ990723_10.9C01.C11
Gene No.	4525	Strand	+
Start	8192	End	8556
Name	OJ990723_10.9C01.C11.o1.tm	Method	TBLASTX:Maize
Start	7152	End	8277
GI	none	Score	581
Exons	7152..7694, 7233..7625, 7241..7693, 7737..8261, 7754..8269, 7758..8270, 7867..8277		

Seq. No.	2138	Seq. ID	OJ990723_10.9C01.C11
Gene No.	4525	Strand	+
Start	8192	End	8556

Name	OJ990723_10.9C01.C11.o1.tw	Method	TBLASTX:Wheat
Start	7527	End	7930
GI	none	Score	587
Exons	7527..7928, 7532..7930		

Seq. No.	2138	Seq. ID	OJ990723_10.9C01.C11
Gene No.	4525	Strand	+
Start	8192	End	8556
Name	OJ990723_10.9C01.C11.o1.tc	Method	TBLASTX:Cress
Start	7707	End	8261
GI	none	Score	665
Exons	7707..8261, 7735..8010, 7739..8257		

Seq. No.	2138	Seq. ID	OJ990723_10.9C01.C11
Gene No.	4525	Strand	+
Start	8192	End	8556
Name	OJ990723_10.9C01.C11.o2.tw	Method	TBLASTX:Wheat
Start	8000	End	8178
GI	none	Score	239
Exons	8000..8173, 8004..8177, 8004..8177, 8107..8178		

Seq. No.	2138	Seq. ID	OJ990723_10.9C01.C11
Gene No.	4525	Strand	+
Start	8192	End	8556
Name	OJ990723_10.9C01.C11.o2.gp	Method	AAT/GAP
Start	8192	End	8556
GI	2797300	Score	436
Exons	8192..8292, 8413..8556		

Seq. No.	2139	Seq. ID	OJ990723_10.9C01.C12
Gene No.	4526	Strand	-
Start	1458	End	1955
Name	OJ990723_10.9C01.C12.o1.gs	Method	GENSCAN
Start	1458	End	1955
GI	none	Score	.95
Exons	1458..1473, 1548..1633, 1953..1955		

Seq. No.	2140	Seq. ID	OJ990723_10.9C01.C13
Gene No.	4527	Strand	+
Start	1406	End	4446
Name	OJ990723_10.9C01.C13.o1.np	Method	AAT/NAP
Start	1406	End	4446
GI	3094014	Score	204
Exons	1406..1471, 1654..1748, 2647..2755, 4360..4446		
GI Descrip.	(AF060862) unknown [Homo sapiens]		

Seq. No.	2140	Seq. ID	OJ990723_10.9C01.C13
Gene No.	4527	Strand	+
Start	1406	End	4446
Name	OJ990723_10.9C01.C13.o1.gp	Method	AAT/GAP
Start	2647	End	2759
GI	none	Score	174
Exons	2647..2759		

Seq. No.	2140	Seq. ID	OJ990723_10.9C01.C13
Gene No.	4528	Strand	+
Start	5966	End	6394

Name	OJ990723_10.9C01.C13.o3.gp	Method	AAT/GAP
Start	5966	End	6394
GI	none	Score	808
Exons	5966..6394		

Seq. No.	2140	Seq. ID	OJ990723_10.9C01.C13
Gene No.	4529	Strand	-
Start	276	End	12555
Name	OJ990723_10.9C01.C13.o1.gs	Method	GENSCAN
Start	276	End	12555
GI	none	Score	.53
Exons	276..685, 1401..1602, 1735..1942, 5087..5156, 6242..6403, 6484..7026, 7073..7604, 8473..8664, 10628..10769, 11208..11254, 11709..11713, 12109..12318, 12438..12555		

Seq. No.	2140	Seq. ID	OJ990723_10.9C01.C13
Gene No.	4529	Strand	-
Start	276	End	12555
Name	OJ990723_10.9C01.C13.o2.gp	Method	AAT/GAP
Start	4364	End	4772
GI	none	Score	739
Exons	4364..4772		

Seq. No.	2141	Seq. ID	OJ990723_10.9C01.C14
Gene No.	4530	Strand	+
Start	1	End	2792
Name	OJ990723_10.9C01.C14.o1.np	Method	AAT/NAP
Start	1	End	2792
GI	5734621	Score	168
Exons	1..280, 392..442, 2739..2792		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	2141	Seq. ID	OJ990723_10.9C01.C14
Gene No.	4531	Strand	+
Start	3108	End	5599
Name	OJ990723_10.9C01.C14.o2.gs	Method	GENSCAN
Start	3108	End	5590
GI	none	Score	.68
Exons	3108..3155, 3725..3773, 4406..4519, 4611..5590		

Seq. No.	2141	Seq. ID	OJ990723_10.9C01.C14
Gene No.	4531	Strand	+
Start	3108	End	5599
Name	OJ990723_10.9C01.C14.o1.gp	Method	AAT/GAP
Start	3255	End	4481
GI	uC-osf1cyp033e07b1	Score	844
Exons	3255..3360, 3629..3773, 4187..4277, 4366..4481		
GI Descrip.	'3047084 3.0e-58 (AF058914) similar to aminoacyl-tRNA synthetases [Arabidopsis thaliana]'		

Seq. No.	2141	Seq. ID	OJ990723_10.9C01.C14
Gene No.	4531	Strand	+
Start	3108	End	5599
Name	OJ990723_10.9C01.C14.o2.np	Method	AAT/NAP
Start	3637	End	5599

GI	6815089	Score	1898
Exons	3637..3773, 4187..4277, 4366..4519, 4611..5599		
GI Descrip.	(AP001081) Similar to glutamyl-tRNA synthetase (AF067773) [Oryza sativa]		

Seq. No.	2141	Seq. ID	OJ990723_10.9C01.C14
Gene No.	4532	Strand	-
Start	32	End	1913
Name	OJ990723_10.9C01.C14.o1.gs	Method	GENSCAN
Start	32	End	1913
GI	none	Score	.45
Exons	32..162, 1320..1475, 1762..1913		

Seq. No.	2141	Seq. ID	OJ990723_10.9C01.C14
Gene No.	4533	Strand	
Start	3646	End	5599
Name	OJ990723_10.9C01.C14.o1.tc	Method	TBLASTX:Cress
Start	3646	End	5598
GI	none	Score	91
Exons	3646..3774, 4363..4521, 4368..4520, 4597..4794, 4598..4777, 4787..5596, 4807..5574, 5371..5598		

Seq. No.	2141	Seq. ID	OJ990723_10.9C01.C14
Gene No.	4533	Strand	
Start	3646	End	5599
Name	OJ990723_10.9C01.C14.o1.ts	Method	TBLASTX:Soybean
Start	3652	End	5596
GI	none	Score	107
Exons	3652..3774, 4363..4521, 4368..4520, 4598..4780, 4603..4749, 4784..5596, 4809..5462, 4810..5595		

Seq. No.	2141	Seq. ID	OJ990723_10.9C01.C14
Gene No.	4533	Strand	
Start	3646	End	5599
Name	OJ990723_10.9C01.C14.o1.tm	Method	TBLASTX:Maize
Start	4452	End	5125
GI	none	Score	105
Exons	4452..4520, 4453..4521, 4581..4715, 4584..5021, 4597..5031, 4598..5032, 4971..5093, 4978..5118, 5012..5125, 5021..5125		

Seq. No.	2141	Seq. ID	OJ990723_10.9C01.C14
Gene No.	4533	Strand	
Start	3646	End	5599
Name	OJ990723_10.9C01.C14.o2.tm	Method	TBLASTX:Maize
Start	5159	End	5419
GI	none	Score	472
Exons	5159..5419, 5164..5418		

Seq. No.	2141	Seq. ID	OJ990723_10.9C01.C14
Gene No.	4533	Strand	
Start	3646	End	5599
Name	OJ990723_10.9C01.C14.o3.tm	Method	TBLASTX:Maize
Start	5419	End	5599
GI	none	Score	290
Exons	5419..5598, 5420..5599		

Seq. No.	2142	Seq. ID	OJ990723_10.9C01.C15

Gene No.	4534	Strand	+
Start	1	End	1093
Name	OJ990723_10.9C01.C15.o1.gp	Method	AAT/GAP
Start	1	End	407
GI	4968606	Score	592
Exons	1..24, 114..407		
GI Descrip.	3047084 3.0e-58 (AF058914) similar to aminoacyl-tRNA synthetases [Arabidopsis thaliana]		

Seq. No.	2142	Seq. ID	OJ990723_10.9C01.C15
Gene No.	4534	Strand	+
Start	1	End	1093
Name	OJ990723_10.9C01.C15.o1.np	Method	AAT/NAP
Start	1	End	1090
GI	6815089	Score	992
Exons	1..24, 114..578, 875..1090		
GI Descrip.	(AP001081) Similar to glutamyl-tRNA synthetase (AF067773) [Oryza sativa]		

Seq. No.	2142	Seq. ID	OJ990723_10.9C01.C15
Gene No.	4534	Strand	+
Start	1	End	1093
Name	OJ990723_10.9C01.C15.o1.gs	Method	GENSCAN
Start	75	End	1093
GI	none	Score	.66
Exons	75..578, 875..1093		

Seq. No.	2142	Seq. ID	OJ990723_10.9C01.C15
Gene No.	4535	Strand	-
Start	971	End	1349
Name	OJ990723_10.9C01.C15.o2.gp	Method	AAT/GAP
Start	971	End	1349
GI	none	Score	730
Exons	971..1349		

Seq. No.	2142	Seq. ID	OJ990723_10.9C01.C15
Gene No.	4536	Strand	-
Start	4292	End	6011
Name	OJ990723_10.9C01.C15.o1.tm	Method	TBLASTX:Maize
Start	3	End	1138
GI	none	Score	44
Exons	3..26, 3..23, 105..581, 111..569, 113..580, 869..1093, 872..1138, 873..1103, 892..1113		

Seq. No.	2142	Seq. ID	OJ990723_10.9C01.C15
Gene No.	4536	Strand	-
Start	4292	End	6011
Name	OJ990723_10.9C01.C15.o1.tc	Method	TBLASTX:Cress
Start	104	End	1074
GI	none	Score	287
Exons	104..313, 105..323, 278..430, 306..422, 419..580, 423..581, 872..1072, 898..1068, 916..1074		

Seq. No.	2142	Seq. ID	OJ990723_10.9C01.C15
Gene No.	4536	Strand	-
Start	4292	End	6011
Name	OJ990723_10.9C01.C15.o1.ts	Method	TBLASTX:Soybean

Start	107	End	1096
GI	none	Score	446
Exons	107..445, 111..431, 414..566, 423..581, 434..580, 872..1096, 892..1089		

Seq. No.	2142	Seq. ID	OJ990723_10.9C01.C15
Gene No.	4536	Strand	-
Start	4292	End	6011
Name	OJ990723_10.9C01.C15.o2.np	Method	AAT/NAP
Start	4292	End	6011
GI	5430752	Score	82
Exons	4292..4553, 5845..6011		
GI Descrip.	(AC007504) Hypothetical Protein [Arabidopsis thaliana]		

Seq. No.	2143	Seq. ID	OJ990723_10.9C01.C16
Gene No.	4537	Strand	+
Start	1	End	1744
Name	OJ990723_10.9C01.C16.o1.np	Method	AAT/NAP
Start	1	End	1446
GI	6598837	Score	651
Exons	1..1446		
GI Descrip.	(AC010795) unknown protein [Arabidopsis thaliana]		

Seq. No.	2143	Seq. ID	OJ990723_10.9C01.C16
Gene No.	4537	Strand	+
Start	1	End	1744
Name	OJ990723_10.9C01.C16.o1.tc	Method	TBLASTX:Cress
Start	6	End	1412
GI	none	Score	70
Exons	6..194, 15..329, 15..260, 78..287, 171..299, 297..566, 305..550, 321..479, 321..665, 381..572, 422..625, 423..770, 474..875, 483..707, 585..800, 648..977, 649..780, 659..979, 678..1082, 690..917, 789..1007, 800..1195, 825..1193, 888..1292, 903..1127, 1005..1202, 1038..1406, 1046..1339, 1057..1095, 1074..1325, 1104..1412, 1124..1324, 1230..1412, 1256..1393		

Seq. No.	2143	Seq. ID	OJ990723_10.9C01.C16
Gene No.	4537	Strand	+
Start	1	End	1744
Name	OJ990723_10.9C01.C16.o1.tm	Method	TBLASTX:Maize
Start	6	End	1412
GI	none	Score	131
Exons	6..290, 6..302, 18..266, 108..326, 318..887, 333..992, 519..1097, 528..1217, 672..953, 693..1385, 729..1295, 887..1171, 939..1397, 1044..1409, 1053..1412		

Seq. No.	2143	Seq. ID	OJ990723_10.9C01.C16
Gene No.	4537	Strand	+
Start	1	End	1744
Name	OJ990723_10.9C01.C16.o1.ts	Method	TBLASTX:Soybean
Start	6	End	1442
GI	none	Score	121
Exons	6..320, 315..566, 321..842, 321..764, 333..662, 336..509, 420..1289, 471..632, 651..767, 720..929, 798..941, 828..1412, 861..1040, 939..1382, 989..1213, 1032..1406, 1064..1207, 1065..1244, 1143..1415, 1148..1246, 1248..1442, 1250..1435		

Seq. No.	2143	Seq. ID	OJ990723_10.9C01.C16
Gene No.	4537	Strand	+
Start	1	End	1744
Name	OJ990723_10.9C01.C16.o1.gs	Method	GENSCAN
Start	63	End	1744
GI	none	Score	.78
Exons	63..173, 258..1349, 1660..1744		

Seq. No.	2144	Seq. ID	OJ990723_10.9C01.C17
Gene No.	4538	Strand	+
Start	134	End	206
Name	OJ990723_10.9C01.C17.o1.gs	Method	GENSCAN
Start	134	End	206
GI	none	Score	.69
Exons	134..206		

Seq. No.	2145	Seq. ID	OJ990723_10.9C01.C18
Gene No.	4539	Strand	+
Start	1699	End	3084
Name	OJ990723_10.9C01.C18.o1.gp	Method	AAT/GAP
Start	1699	End	3068
GI	95302_1.R1084	Score	833
Exons	1699..1949, 2147..2215, 2928..3068		
GI Descrip.	'3152731 3.0e-39 (AF056325) myo-inositol 1-phosphate synthase; INO1 [Hordeum vulgare]'		

Seq. No.	2145	Seq. ID	OJ990723_10.9C01.C18
Gene No.	4539	Strand	+
Start	1699	End	3084
Name	OJ990723_10.9C01.C18.o1.tc	Method	TBLASTX:Cress
Start	1764	End	3084
GI	none	Score	72
Exons	1764..1859, 1792..1860, 1884..1949, 1885..1950, 2126..2203, 2139..2216, 2147..2206, 2928..3071, 2929..3084		

Seq. No.	2145	Seq. ID	OJ990723_10.9C01.C18
Gene No.	4539	Strand	+
Start	1699	End	3084
Name	OJ990723_10.9C01.C18.o1.tm	Method	TBLASTX:Maize
Start	1764	End	3078
GI	none	Score	73
Exons	1764..1865, 1766..1813, 1792..1866, 1881..1949, 1882..1950, 2138..2206, 2139..2216, 2145..2210, 2146..2211, 2928..3077, 2929..3078		

Seq. No.	2145	Seq. ID	OJ990723_10.9C01.C18
Gene No.	4539	Strand	+
Start	1699	End	3084
Name	OJ990723_10.9C01.C18.o1.ts	Method	TBLASTX:Soybean
Start	1764	End	3084
GI	none	Score	71
Exons	1764..1859, 1792..1860, 1884..1949, 1885..1950, 2139..2216, 2147..2206, 2925..3071, 2928..3071, 2929..3084		

Seq. No.	2145	Seq. ID	OJ990723_10.9C01.C18
Gene No.	4539	Strand	+
Start	1699	End	3084

Name	OJ990723_10.9C01.C18.o1.tw	Method	TBLASTX:Wheat
Start	1764	End	1955
GI	none	Score	72
Exons	1764..1859, 1766..1813, 1792..1860, 1887..1952, 1888..1950, 1890..1955		

Seq. No.	2145	Seq. ID	OJ990723_10.9C01.C18
Gene No.	4539	Strand	+
Start	1699	End	3084
Name	OJ990723_10.9C01.C18.o1.np	Method	AAT/NAP
Start	1765	End	3084
GI	3152731	Score	475
Exons	1765..1949, 2147..2215, 2928..3084		
GI Descrip.	(AF056325) myo-inositol 1-phosphate synthase; INO1 [Hordeum vulgare]		

Seq. No.	2146	Seq. ID	OJ990723_10.9C01.C19
Gene No.	4540	Strand	+
Start	1	End	3308
Name	OJ990723_10.9C01.C19.o1.np	Method	AAT/NAP
Start	1	End	3209
GI	3108053	Score	1590
Exons	1..33, 486..733, 1183..1409, 1519..1634, 1729..1905, 2313..2501, 2608..2670, 3093..3209		
GI Descrip.	(AF056326) myo-inositol 1-phosphate synthase; INO1 [Zea mays]		

Seq. No.	2146	Seq. ID	OJ990723_10.9C01.C19
Gene No.	4540	Strand	+
Start	1	End	3308
Name	OJ990723_10.9C01.C19.o1.gs	Method	GENSCAN
Start	486	End	3212
GI	none	Score	.82
Exons	486..733, 1183..1409, 1519..1634, 1729..1905, 2313..2501, 2608..2670, 3093..3212		

Seq. No.	2146	Seq. ID	OJ990723_10.9C01.C19
Gene No.	4540	Strand	+
Start	1	End	3308
Name	OJ990723_10.9C01.C19.o1.gp	Method	AAT/GAP
Start	1178	End	1335
GI	uC-osf1M202049h09b1	Score	257
Exons	1178..1335		
GI Descrip.	'3108053 3.0e-70 (AF056326) myo-inositol 1-phosphate synthase; INO1 [Zea mays]'		

Seq. No.	2146	Seq. ID	OJ990723_10.9C01.C19
Gene No.	4540	Strand	+
Start	1	End	3308
Name	OJ990723_10.9C01.C19.o2.gp	Method	AAT/GAP
Start	1832	End	3308
GI	5056020	Score	959
Exons	1832..1905, 2313..2501, 2608..2670, 3093..3308		
GI Descrip.	3108053 3.0e-70 (AF056326) myo-inositol 1-phosphate synthase; INO1 [Zea mays]		

Seq. No.	2146	Seq. ID	OJ990723_10.9C01.C19
Gene No.	4541	Strand	-

Start	1	End	8355
Name	OJ990723_10.9C01.C19.o2.np	Method	AAT/NAP
Start	1	End	8355
GI	4490317	Score	470
Exons	1..68, 4269..4430, 4510..4638, 4727..4870, 4984..5153, 6295..6401, 7844..8029, 8325..8355		
GI Descrip.	(AL035678) putative protein [Arabidopsis thaliana]		

Seq. No.	2146	Seq. ID	OJ990723_10.9C01.C19
Gene No.	4541	Strand	-
Start	1	End	8355
Name	OJ990723_10.9C01.C19.o1.tc	Method	TBLASTX:Cress
Start	470	End	3213
GI	none	Score	356
Exons	470..559, 486..734, 486..680, 614..733, 1178..1411, 1228..1272, 1345..1410, 1517..1633, 1518..1634, 1726..1914, 1728..1913, 2310..2501, 2311..2403, 2312..2494, 2463..2501, 2605..2673, 2606..2671, 3092..3211, 3093..3212, 3111..3212, 3121..3213		

Seq. No.	2146	Seq. ID	OJ990723_10.9C01.C19
Gene No.	4541	Strand	-
Start	1	End	8355
Name	OJ990723_10.9C01.C19.o3.ts	Method	TBLASTX:Soybean
Start	470	End	650
GI	none	Score	246
Exons	470..559, 486..650, 486..650		

Seq. No.	2146	Seq. ID	OJ990723_10.9C01.C19
Gene No.	4541	Strand	-
Start	1	End	8355
Name	OJ990723_10.9C01.C19.o1.tm	Method	TBLASTX:Maize
Start	470	End	3213
GI	none	Score	389
Exons	470..559, 486..734, 486..680, 614..733, 1178..1411, 1225..1266, 1272..1307, 1345..1413, 1517..1630, 1518..1634, 1726..1914, 1728..1913, 2310..2495, 2311..2406, 2312..2494, 2607..2669, 2607..2672, 2608..2673, 3092..3211, 3093..3212, 3094..3213		

Seq. No.	2146	Seq. ID	OJ990723_10.9C01.C19
Gene No.	4541	Strand	-
Start	1	End	8355
Name	OJ990723_10.9C01.C19.o1.ts	Method	TBLASTX:Soybean
Start	651	End	3216
GI	none	Score	106
Exons	651..734, 653..733, 1178..1411, 1225..1272, 1272..1307, 1345..1413, 1455..1592, 1517..1633, 1518..1634, 1726..1914, 1728..1913, 2310..2501, 2312..2494, 2605..2673, 2616..2672, 3091..3210, 3092..3211, 3093..3212, 3094..3216		

Seq. No.	2146	Seq. ID	OJ990723_10.9C01.C19
Gene No.	4541	Strand	-
Start	1	End	8355
Name	OJ990723_10.9C01.C19.o1.tw	Method	TBLASTX:Wheat
Start	1774	End	2673
GI	none	Score	213
Exons	1774..1914, 1776..1913, 2310..2501, 2311..2406, 2312..2494, 2463..2501, 2605..2673, 2607..2642		

Seq. No.	2146	Seq. ID	OJ990723_10.9C01.C19
Gene No.	4541	Strand	-
Start	1	End	8355
Name	OJ990723_10.9C01.C19.o3.gp	Method	AAT/GAP
Start	3914	End	4778
GI	16049_1.R1084	Score	1250
Exons	3914..4430, 4510..4637, 4727..4778		
GI Descrip.	'4490317/emb|CAB38808.1| 3.0e-16 (AL035678) putative protein [Arabidopsis thaliana]'		

Seq. No.	2146	Seq. ID	OJ990723_10.9C01.C19
Gene No.	4541	Strand	-
Start	1	End	8355
Name	OJ990723_10.9C01.C19.o2.gs	Method	GENSCAN
Start	4263	End	8274
GI	none	Score	.96
Exons	4263..4430, 4510..4638, 4727..4870, 4984..5153, 6295..6382, 6989..7033, 7874..8274		

Seq. No.	2146	Seq. ID	OJ990723_10.9C01.C19
Gene No.	4541	Strand	-
Start	1	End	8355
Name	OJ990723_10.9C01.C19.o2.tm	Method	TBLASTX:Maize
Start	4278	End	7996
GI	none	Score	128
Exons	4278..4430, 4278..4430, 4282..4431, 4505..4630, 4510..4641, 4513..4641, 4726..4860, 4727..4861, 4728..4868, 4979..5113, 4983..5156, 4984..5181, 4984..5154, 6291..6386, 6294..6383, 6295..6384, 6569..6697, 6577..6696, 6622..6708, 6971..7033, 6974..7033, 7922..7996		

Seq. No.	2146	Seq. ID	OJ990723_10.9C01.C19
Gene No.	4541	Strand	-
Start	1	End	8355
Name	OJ990723_10.9C01.C19.o2.ts	Method	TBLASTX:Soybean
Start	4278	End	4635
GI	none	Score	147
Exons	4278..4433, 4282..4431, 4290..4442, 4513..4635, 4514..4609, 4555..4635		

Seq. No.	2146	Seq. ID	OJ990723_10.9C01.C19
Gene No.	4541	Strand	-
Start	1	End	8355
Name	OJ990723_10.9C01.C19.o4.ts	Method	TBLASTX:Soybean
Start	4745	End	6681
GI	none	Score	93
Exons	4745..4873, 4745..4864, 4768..4869, 4979..5074, 4981..5154, 6291..6383, 6293..6385, 6296..6385, 6619..6681		

Seq. No.	2147	Seq. ID	OJ990723_10.9C01.C20
Gene No.	4542	Strand	+
Start	2455	End	5291
Name	OJ990723_10.9C01.C20.o1.gs	Method	GENSCAN
Start	2455	End	5291
GI	none	Score	.69
Exons	2455..2476, 3347..3380, 4154..4261, 4598..4726, 5225..5291		

Seq. No.	2147	Seq. ID	OJ990723_10.9C01.C20
Gene No.	4543	Strand	+
Start	6539	End	6684
Name	OJ990723_10.9C01.C20.o2.gp	Method	AAT/GAP
Start	6539	End	6684
GI	533_1.R1084	Score	211
Exons	6539..6684		
GI Descrip.	'113172/sp|P15543|ACP3_HORVU 9.0e-52 ACYL CARRIER PROTEIN III PRECURSOR (ACP III) >gi_100561_pir__S17928 acyl carrier protein 3 - barley >gi_166971 (M58754) acyl carrier protein III [Hordeum vulgare]'		

Seq. No.	2147	Seq. ID	OJ990723_10.9C01.C20
Gene No.	4544	Strand	-
Start	1	End	150
Name	OJ990723_10.9C01.C20.o1.gp	Method	AAT/GAP
Start	1	End	150
GI	none	Score	280
Exons	1..150		

Seq. No.	2148	Seq. ID	OJ990723_10.9C01.C21
Gene No.	4545	Strand	+
Start	343	End	659
Name	OJ990723_10.9C01.C21.o1.gs	Method	GENSCAN
Start	343	End	659
GI	none	Score	.83
Exons	343..659		

Seq. No.	2148	Seq. ID	OJ990723_10.9C01.C21
Gene No.	4546	Strand	-
Start	2237	End	3613
Name	OJ990723_10.9C01.C21.o2.gs	Method	GENSCAN
Start	2237	End	3613
GI	none	Score	.56
Exons	2237..2281, 2644..2774, 3412..3613		

Seq. No.	2149	Seq. ID	OJ990503_10.9C10.C2
Gene No.	4547	Strand	+
Start	57	End	134
Name	OJ990503_10.9C10.C2.o1.gs	Method	GENSCAN
Start	57	End	134
GI	none	Score	.61
Exons	57..134		

Seq. No.	2149	Seq. ID	OJ990503_10.9C10.C2
Gene No.	4548	Strand	-
Start	824	End	1175
Name	OJ990503_10.9C10.C2.o2.gs	Method	GENSCAN
Start	824	End	1175
GI	none	Score	.87
Exons	824..861, 1085..1175		

Seq. No.	2150	Seq. ID	OJ990503_10.9C10.C3
Gene No.	4549	Strand	-
Start	1	End	1815
Name	OJ990503_10.9C10.C3.o1.np	Method	AAT/NAP

Start	1	End	1815
GI	4680179	Score	2478
Exons	1..1815		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2150	Seq. ID	OJ990503_10.9C10.C3
Gene No.	4549	Strand	-
Start	1	End	1815
Name	OJ990503_10.9C10.C3.o1.tm	Method	TBLASTX:Maize
Start	1	End	573
GI	none	Score	77
Exons	1..414, 4..246, 113..412, 412..573, 419..565		

Seq. No.	2150	Seq. ID	OJ990503_10.9C10.C3
Gene No.	4549	Strand	-
Start	1	End	1815
Name	OJ990503_10.9C10.C3.o1.gs	Method	GENSCAN
Start	40	End	1702
GI	none	Score	.68
Exons	40..1272, 1305..1702		

Seq. No.	2150	Seq. ID	OJ990503_10.9C10.C3
Gene No.	4549	Strand	-
Start	1	End	1815
Name	OJ990503_10.9C10.C3.o1.tw	Method	TBLASTX:Wheat
Start	127	End	753
GI	none	Score	227
Exons	127..753, 239..697		

Seq. No.	2150	Seq. ID	OJ990503_10.9C10.C3
Gene No.	4549	Strand	-
Start	1	End	1815
Name	OJ990503_10.9C10.C3.o3.tm	Method	TBLASTX:Maize
Start	622	End	914
GI	none	Score	209
Exons	622..912, 626..913, 753..914		

Seq. No.	2150	Seq. ID	OJ990503_10.9C10.C3
Gene No.	4549	Strand	-
Start	1	End	1815
Name	OJ990503_10.9C10.C3.o1.ts	Method	TBLASTX:Soybean
Start	712	End	972
GI	none	Score	143
Exons	712..972, 713..967		

Seq. No.	2150	Seq. ID	OJ990503_10.9C10.C3
Gene No.	4549	Strand	-
Start	1	End	1815
Name	OJ990503_10.9C10.C3.o1.tc	Method	TBLASTX:Cress
Start	736	End	1053
GI	none	Score	85
Exons	736..879, 737..877, 880..1053		

Seq. No.	2150	Seq. ID	OJ990503_10.9C10.C3
Gene No.	4549	Strand	-
Start	1	End	1815
Name	OJ990503_10.9C10.C3.o2.tw	Method	TBLASTX:Wheat

Start	760	End	1296
GI	none	Score	328
Exons	760..1296, 761..1252		

Seq. No.	2150	Seq. ID	OJ990503_10.9C10.C3
Gene No.	4549	Strand	-
Start	1	End	1815
Name	OJ990503_10.9C10.C3.o2.tm	Method	TBLASTX:Maize
Start	1317	End	1680
GI	none	Score	169
Exons	1317..1679, 1326..1679, 1330..1680		

Seq. No.	2150	Seq. ID	OJ990503_10.9C10.C3
Gene No.	4549	Strand	-
Start	1	End	1815
Name	OJ990503_10.9C10.C3.o3.tw	Method	TBLASTX:Wheat
Start	1326	End	1751
GI	none	Score	233
Exons	1326..1703, 1326..1751, 1330..1719		

Seq. No.	2150	Seq. ID	OJ990503_10.9C10.C3
Gene No.	4549	Strand	-
Start	1	End	1815
Name	OJ990503_10.9C10.C3.o2.ts	Method	TBLASTX:Soybean
Start	1500	End	1745
GI	none	Score	99
Exons	1500..1745, 1501..1743		

Seq. No.	2151	Seq. ID	OJ990503_10.9C10.C5
Gene No.	4550	Strand	
Start	2	End	276
Name	OJ990503_10.9C10.C5.o1.tm	Method	TBLASTX:Maize
Start	2	End	276
GI	none	Score	43
Exons	2..25, 3..35, 105..248, 106..249, 113..250, 113..259, 244..276		

Seq. No.	2152	Seq. ID	OJ990503_10.9C10.C6
Gene No.	4551	Strand	-
Start	478	End	934
Name	OJ990503_10.9C10.C6.o1.gs	Method	GENSCAN
Start	478	End	934
GI	none	Score	.93
Exons	478..587, 871..934		

Seq. No.	2153	Seq. ID	OJ990503_10.9C10.C11
Gene No.	4552	Strand	+
Start	1	End	1884
Name	OJ990503_10.9C10.C11.o1.np	Method	AAT/NAP
Start	1	End	1441
GI	6742729	Score	2150
Exons	1..1441		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	2153	Seq. ID	OJ990503_10.9C10.C11
Gene No.	4552	Strand	+
Start	1	End	1884
Name	OJ990503_10.9C10.C11.o1.gs	Method	GENSCAN

Start	88	End	1866
GI	none	Score	.4
Exons	88..556, 722..1089, 1410..1598, 1723..1866		

Seq. No.	2153	Seq. ID	OJ990503_10.9C10.C11
Gene No.	4552	Strand	+
Start	1	End	1884
Name	OJ990503_10.9C10.C11.o2.tw	Method	TBLASTX:Wheat
Start	198	End	608
GI	none	Score	87
Exons	198..248, 199..261, 247..489, 267..449, 522..608, 523..606		

Seq. No.	2153	Seq. ID	OJ990503_10.9C10.C11
Gene No.	4552	Strand	+
Start	1	End	1884
Name	OJ990503_10.9C10.C11.o1.tw	Method	TBLASTX:Wheat
Start	609	End	1884
GI	none	Score	569
Exons	609..1088, 610..1092, 1118..1510, 1119..1526, 1498..1560, 1524..1562, 1524..1565, 1543..1566, 1568..1705, 1572..1631, 1638..1667, 1664..1732, 1669..1716, 1672..1752, 1673..1753, 1677..1754, 1758..1796, 1764..1823, 1774..1839, 1804..1884, 1854..1883		

Seq. No.	2153	Seq. ID	OJ990503_10.9C10.C11
Gene No.	4552	Strand	+
Start	1	End	1884
Name	OJ990503_10.9C10.C11.o1.tm	Method	TBLASTX:Maize
Start	652	End	966
GI	none	Score	290
Exons	652..966, 663..938		

Seq. No.	2153	Seq. ID	OJ990503_10.9C10.C11
Gene No.	4552	Strand	+
Start	1	End	1884
Name	OJ990503_10.9C10.C11.o1.tc	Method	TBLASTX:Cress
Start	897	End	1344
GI	none	Score	90
Exons	897..1037, 897..1088, 901..1092, 901..1098, 908..1156, 1118..1309, 1119..1322, 1168..1344, 1194..1343		

Seq. No.	2154	Seq. ID	OJ990503_10.9C10.C12
Gene No.	4553	Strand	+
Start	1254	End	4014
Name	OJ990503_10.9C10.C12.o1.np	Method	AAT/NAP
Start	1254	End	4014
GI	4680204	Score	736
Exons	1254..2663, 2757..3188, 3896..4014		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	2154	Seq. ID	OJ990503_10.9C10.C12
Gene No.	4553	Strand	+
Start	1254	End	4014
Name	OJ990503_10.9C10.C12.o1.gs	Method	GENSCAN
Start	1269	End	3193
GI	none	Score	.72
Exons	1269..2203, 2219..2663, 2736..2898, 3075..3193		

Seq. No.	2154	Seq. ID	OJ990503_10.9C10.C12
Gene No.	4553	Strand	+
Start	1254	End	4014
Name	OJ990503_10.9C10.C12.o1.tw	Method	TBLASTX:Wheat
Start	1976	End	2315
GI	none	Score	136
Exons	1976..2125, 1977..2144, 2139..2279, 2198..2278, 2283..2315		

Seq. No.	2155	Seq. ID	OJ990503_10.9C10.C14
Gene No.	4554	Strand	+
Start	179	End	536
Name	OJ990503_10.9C10.C14.o1.gs	Method	GENSCAN
Start	179	End	536
GI	none	Score	.88
Exons	179..277, 363..536		

Seq. No.	2155	Seq. ID	OJ990503_10.9C10.C14
Gene No.	4555	Strand	+
Start	685	End	2957
Name	OJ990503_10.9C10.C14.o1.np	Method	AAT/NAP
Start	685	End	2957
GI	862343	Score	142
Exons	685..861, 2880..2957		
GI Descrip.	(L10908) Gcap1 gene product [Mus musculus] gi|1092097|prf||2022314A granule cell marker protein [Mus musculus] gi|1092098|prf||2022315A granule cell marker protein [Mus musculus]		

Seq. No.	2155	Seq. ID	OJ990503_10.9C10.C14
Gene No.	4556	Strand	-
Start	2587	End	4373
Name	OJ990503_10.9C10.C14.o2.gs	Method	GENSCAN
Start	2587	End	4373
GI	none	Score	.7
Exons	2587..2686, 3593..3678, 4305..4373		

Seq. No.	2156	Seq. ID	OJ990503_10.9C10.C16
Gene No.	4557	Strand	-
Start	256	End	563
Name	OJ990503_10.9C10.C16.o1.gs	Method	GENSCAN
Start	256	End	563
GI	none	Score	.48
Exons	256..563		

Seq. No.	2157	Seq. ID	OJ990503_10.9C10.C19
Gene No.	4558	Strand	-
Start	362	End	435
Name	OJ990503_10.9C10.C19.o1.gs	Method	GENSCAN
Start	362	End	435
GI	none	Score	.53
Exons	362..435		

Seq. No.	2158	Seq. ID	OJ990503_10.9C10.C21
Gene No.	4559	Strand	+
Start	323	End	904
Name	OJ990503_10.9C10.C21.o1.gs	Method	GENSCAN

Start	323	End	904
GI	none	Score	1
Exons	323..484, 608..904		

Seq. No.	2159	Seq. ID	OJ990503_10.9C10.C22
Gene No.	4560	Strand	+
Start	270	End	651
Name	OJ990503_10.9C10.C22.o1.gp	Method	AAT/GAP
Start	270	End	651
GI	uC-osflcyp033a04b1	Score	675
Exons	270..651		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	2159	Seq. ID	OJ990503_10.9C10.C22
Gene No.	4560	Strand	+
Start	270	End	651
Name	OJ990503_10.9C10.C22.o1.gs	Method	GENSCAN
Start	448	End	523
GI	none	Score	.59
Exons	448..523		

Seq. No.	2159	Seq. ID	OJ990503_10.9C10.C22
Gene No.	4561	Strand	-
Start	203	End	823
Name	OJ990503_10.9C10.C22.o1.np	Method	AAT/NAP
Start	203	End	823
GI	4680186	Score	337
Exons	203..428, 786..823		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	2160	Seq. ID	OJ990503_10.9C10.C23
Gene No.	4562	Strand	+
Start	1	End	1125
Name	OJ990503_10.9C10.C23.o1.np	Method	AAT/NAP
Start	1	End	1125
GI	6728968	Score	555
Exons	1..1125		
GI Descrip.	(AC018363) unknown protein [Arabidopsis thaliana]		

Seq. No.	2160	Seq. ID	OJ990503_10.9C10.C23
Gene No.	4562	Strand	+
Start	1	End	1125
Name	OJ990503_10.9C10.C23.o1.tm	Method	TBLASTX:Maize
Start	37	End	638
GI	none	Score	212
Exons	37..258, 267..638, 353..622, 376..627		

Seq. No.	2160	Seq. ID	OJ990503_10.9C10.C23
Gene No.	4562	Strand	+
Start	1	End	1125
Name	OJ990503_10.9C10.C23.o1.gs	Method	GENSCAN
Start	70	End	1071
GI	none	Score	.82
Exons	70..1071		

Seq. No.	2160	Seq. ID	OJ990503_10.9C10.C23

Gene No.	4562	Strand	+
Start	1	End	1125
Name	OJ990503_10.9C10.C23.o1.ts	Method	TBLASTX:Soybean
Start	169	End	858
GI	none	Score	65
Exons	169..264, 376..858, 435..638		

Seq. No.	2160	Seq. ID	OJ990503_10.9C10.C23
Gene No.	4562	Strand	+
Start	1	End	1125
Name	OJ990503_10.9C10.C23.o1.tc	Method	TBLASTX:Cress
Start	526	End	930
GI	none	Score	205
Exons	526..903, 655..930, 740..904		

Seq. No.	2160	Seq. ID	OJ990503_10.9C10.C23
Gene No.	4562	Strand	+
Start	1	End	1125
Name	OJ990503_10.9C10.C23.o1.tw	Method	TBLASTX:Wheat
Start	528	End	912
GI	none	Score	106
Exons	528..911, 530..817, 532..912		

Seq. No.	2160	Seq. ID	OJ990503_10.9C10.C23
Gene No.	4562	Strand	+
Start	1	End	1125
Name	OJ990503_10.9C10.C23.o2.tm	Method	TBLASTX:Maize
Start	910	End	1125
GI	none	Score	214
Exons	910..1125, 970..1125		

Seq. No.	2160	Seq. ID	OJ990503_10.9C10.C23
Gene No.	4562	Strand	+
Start	1	End	1125
Name	OJ990503_10.9C10.C23.o2.tw	Method	TBLASTX:Wheat
Start	913	End	1122
GI	none	Score	178
Exons	913..1122, 967..1110, 1056..1121		

Seq. No.	2161	Seq. ID	OJ990503_10.9C10.C25
Gene No.	4563	Strand	-
Start	180	End	293
Name	OJ990503_10.9C10.C25.o1.gs	Method	GENSCAN
Start	180	End	293
GI	none	Score	.74
Exons	180..293		

Seq. No.	2162	Seq. ID	OJ990503_10.9C10.C26
Gene No.	4564	Strand	-
Start	117	End	305
Name	OJ990503_10.9C10.C26.o1.gs	Method	GENSCAN
Start	117	End	305
GI	none	Score	.48
Exons	117..204, 218..305		

Seq. No.	2163	Seq. ID	OJ990503_10.9C10.C27
Gene No.	4565	Strand	+

Start	51	End	687
Name	OJ990503_10.9C10.C27.o1.gs	Method	GENSCAN
Start	51	End	687
GI	none	Score	.53
Exons	51..150, 518..687		

Seq. No.	2164	Seq. ID	OJ990503_10.9C10.C28
Gene No.	4566	Strand	-
Start	894	End	980
Name	OJ990503_10.9C10.C28.o1.gs	Method	GENSCAN
Start	894	End	980
GI	none	Score	.61
Exons	894..980		

Seq. No.	2165	Seq. ID	OJ990503_10.9C10.C29
Gene No.	4567	Strand	+
Start	1	End	4638
Name	OJ990503_10.9C10.C29.o1.np	Method	AAT/NAP
Start	1	End	4638
GI	5441880	Score	1172
Exons	1..933, 1374..1404, 1665..1983, 2533..2681, 2777..3085, 3614..3914, 4013..4272, 4556..4638		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	2165	Seq. ID	OJ990503_10.9C10.C29
Gene No.	4567	Strand	+
Start	1	End	4638
Name	OJ990503_10.9C10.C29.o1.gs	Method	GENSCAN
Start	72	End	4149
GI	none	Score	.67
Exons	72..187, 1042..1162, 1888..1999, 2534..2684, 2845..3274, 3325..3504, 3695..3906, 3999..4149		

Seq. No.	2165	Seq. ID	OJ990503_10.9C10.C29
Gene No.	4567	Strand	+
Start	1	End	4638
Name	OJ990503_10.9C10.C29.o1.tm	Method	TBLASTX:Maize
Start	494	End	1034
GI	none	Score	131
Exons	494..616, 495..650, 654..935, 659..952, 666..956, 996..1034		

Seq. No.	2165	Seq. ID	OJ990503_10.9C10.C29
Gene No.	4567	Strand	+
Start	1	End	4638
Name	OJ990503_10.9C10.C29.o1.tw	Method	TBLASTX:Wheat
Start	785	End	1171
GI	none	Score	189
Exons	785..934, 786..962, 786..959, 974..1036, 975..1037, 987..1037, 1007..1084, 1034..1171, 1063..1119		

Seq. No.	2166	Seq. ID	OJ990503_10.9C10.C30
Gene No.	4568	Strand	-
Start	2433	End	3243
Name	OJ990503_10.9C10.C30.o2.gs	Method	GENSCAN
Start	2433	End	3236

GI	none	Score	.76
Exons	2433..3236		

Seq. No.	2166	Seq. ID	OJ990503_10.9C10.C30
Gene No.	4568	Strand	-
Start	2433	End	3243
Name	OJ990503_10.9C10.C30.o1.tm	Method	TBLASTX:Maize
Start	2850	End	3197
GI	none	Score	124
Exons	2850..3197, 2938..3051, 2940..3140		

Seq. No.	2166	Seq. ID	OJ990503_10.9C10.C30
Gene No.	4568	Strand	-
Start	2433	End	3243
Name	OJ990503_10.9C10.C30.o1.tw	Method	TBLASTX:Wheat
Start	2920	End	3229
GI	none	Score	113
Exons	2920..3225, 2925..3227, 2926..3051, 2967..3137, 3148..3225, 3152..3229		

Seq. No.	2166	Seq. ID	OJ990503_10.9C10.C30
Gene No.	4568	Strand	-
Start	2433	End	3243
Name	OJ990503_10.9C10.C30.o1.ts	Method	TBLASTX:Soybean
Start	2928	End	3243
GI	none	Score	77
Exons	2928..3242, 3175..3243		

Seq. No.	2167	Seq. ID	OJ990503_10.9C10.C31
Gene No.	4569	Strand	+
Start	90	End	209
Name	OJ990503_10.9C10.C31.o1.gs	Method	GENSCAN
Start	90	End	209
GI	none	Score	.51
Exons	90..209		

Seq. No.	2168	Seq. ID	OJ990503_10.9C10.C33
Gene No.	4570	Strand	-
Start	1	End	665
Name	OJ990503_10.9C10.C33.o1.np	Method	AAT/NAP
Start	1	End	665
GI	4582488	Score	108
Exons	1..66, 146..309, 592..665		
GI Descrip.	(AL021768) putative protein [Arabidopsis thaliana]		

Seq. No.	2168	Seq. ID	OJ990503_10.9C10.C33
Gene No.	4570	Strand	-
Start	1	End	665
Name	OJ990503_10.9C10.C33.o1.gs	Method	GENSCAN
Start	146	End	280
GI	none	Score	.86
Exons	146..280		

Seq. No.	2169	Seq. ID	OJ990503_10.9C10.C37
Gene No.	4571	Strand	-
Start	1108	End	1819
Name	OJ990503_10.9C10.C37.o1.gs	Method	GENSCAN

Start	1108	End	1819
GI	none	Score	.76
Exons	1108..1214, 1623..1819		

Seq. No.	2170	Seq. ID	OJ990503_10.9C10.C38
Gene No.	4572	Strand	+
Start	90	End	616
Name	OJ990503_10.9C10.C38.o1.np	Method	AAT/NAP
Start	90	End	616
GI	4417306	Score	221
Exons	90..616		
GI Descrip.	(AC006446) putative Athila retroelement ORF1 protein [Arabidopsis thaliana]		

Seq. No.	2170	Seq. ID	OJ990503_10.9C10.C38
Gene No.	4572	Strand	+
Start	90	End	616
Name	OJ990503_10.9C10.C38.o1.tw	Method	TBLASTX:Wheat
Start	331	End	597
GI	none	Score	96
Exons	331..438, 463..597		

Seq. No.	2171	Seq. ID	OJ990503_10.9C10.C40
Gene No.	4573	Strand	+
Start	750	End	1104
Name	OJ990503_10.9C10.C40.o1.gp	Method	AAT/GAP
Start	750	End	1104
GI	uC-osflcyp033a04b1	Score	625
Exons	750..1104		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	2171	Seq. ID	OJ990503_10.9C10.C40
Gene No.	4573	Strand	+
Start	750	End	1104
Name	OJ990503_10.9C10.C40.o1.gs	Method	GENSCAN
Start	928	End	999
GI	none	Score	.89
Exons	928..999		

Seq. No.	2171	Seq. ID	OJ990503_10.9C10.C40
Gene No.	4574	Strand	-
Start	683	End	908
Name	OJ990503_10.9C10.C40.o1.np	Method	AAT/NAP
Start	683	End	908
GI	4680186	Score	334
Exons	683..908		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	2172	Seq. ID	OJ990503_10.9C10.C41
Gene No.	4575	Strand	-
Start	316	End	408
Name	OJ990503_10.9C10.C41.o1.gs	Method	GENSCAN
Start	316	End	408
GI	none	Score	.68
Exons	316..408		

Seq. No.	2173	Seq. ID	OJ990503_10.9C10.C42
Gene No.	4576	Strand	-
Start	1	End	1963
Name	OJ990503_10.9C10.C42.o1.np	Method	AAT/NAP
Start	1	End	1963
GI	4680179	Score	1875
Exons	1..1063, 1097..1963		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2173	Seq. ID	OJ990503_10.9C10.C42
Gene No.	4576	Strand	-
Start	1	End	1963
Name	OJ990503_10.9C10.C42.o1.tm	Method	TBLASTX:Maize
Start	60	End	394
GI	none	Score	59
Exons	60..164, 62..394, 182..355		

Seq. No.	2173	Seq. ID	OJ990503_10.9C10.C42
Gene No.	4576	Strand	-
Start	1	End	1963
Name	OJ990503_10.9C10.C42.o1.tw	Method	TBLASTX:Wheat
Start	60	End	503
GI	none	Score	234
Exons	60..503, 62..394		

Seq. No.	2173	Seq. ID	OJ990503_10.9C10.C42
Gene No.	4576	Strand	-
Start	1	End	1963
Name	OJ990503_10.9C10.C42.o1.gs	Method	GENSCAN
Start	113	End	1886
GI	none	Score	.63
Exons	113..756, 985..1886		

Seq. No.	2173	Seq. ID	OJ990503_10.9C10.C42
Gene No.	4576	Strand	-
Start	1	End	1963
Name	OJ990503_10.9C10.C42.o3.tw	Method	TBLASTX:Wheat
Start	599	End	1036
GI	none	Score	68
Exons	599..640, 668..781, 669..782, 827..1036, 828..980		

Seq. No.	2173	Seq. ID	OJ990503_10.9C10.C42
Gene No.	4576	Strand	-
Start	1	End	1963
Name	OJ990503_10.9C10.C42.o3.tm	Method	TBLASTX:Maize
Start	719	End	1072
GI	none	Score	186
Exons	719..1072		

Seq. No.	2173	Seq. ID	OJ990503_10.9C10.C42
Gene No.	4576	Strand	-
Start	1	End	1963
Name	OJ990503_10.9C10.C42.o4.tw	Method	TBLASTX:Wheat
Start	1343	End	1573
GI	none	Score	170
Exons	1343..1573		

Seq. No.	2173	Seq. ID	OJ990503_10.9C10.C42
Gene No.	4576	Strand	-
Start	1	End	1963
Name	OJ990503_10.9C10.C42.o2.tm	Method	TBLASTX:Maize
Start	1388	End	1693
GI	none	Score	87
Exons	1388..1693, 1563..1679		

Seq. No.	2173	Seq. ID	OJ990503_10.9C10.C42
Gene No.	4576	Strand	-
Start	1	End	1963
Name	OJ990503_10.9C10.C42.o2.tw	Method	TBLASTX:Wheat
Start	1574	End	1936
GI	none	Score	148
Exons	1574..1936, 1575..1934		

Seq. No.	2174	Seq. ID	OJ990503_10.9C10.C43
Gene No.	4577	Strand	+
Start	1	End	200
Name	OJ990503_10.9C10.C43.o1.np	Method	AAT/NAP
Start	1	End	200
GI	4680186	Score	329
Exons	1..200		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	2174	Seq. ID	OJ990503_10.9C10.C43
Gene No.	4578	Strand	-
Start	1	End	133
Name	OJ990503_10.9C10.C43.o1.gp	Method	AAT/GAP
Start	1	End	133
GI	uC-osf1cyp033a04b1	Score	238
Exons	1..133		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	2175	Seq. ID	OJ990503_10.9C10.C44
Gene No.	4579	Strand	-
Start	1	End	432
Name	OJ990503_10.9C10.C44.o1.np	Method	AAT/NAP
Start	1	End	432
GI	2853083	Score	104
Exons	1..46, 189..432		
GI Descrip.	(AL021768) putative protein [Arabidopsis thaliana]		

Seq. No.	2176	Seq. ID	OJ990503_10.9C10.C45
Gene No.	4580	Strand	-
Start	254	End	1039
Name	OJ990503_10.9C10.C45.o1.gs	Method	GENSCAN
Start	254	End	907
GI	none	Score	.92
Exons	254..907		

Seq. No.	2176	Seq. ID	OJ990503_10.9C10.C45
Gene No.	4580	Strand	-
Start	254	End	1039
Name	OJ990503_10.9C10.C45.o1.np	Method	AAT/NAP
Start	257	End	1039

GI	4680179	Score	1045
Exons	257..1039		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2176	Seq. ID	OJ990503_10.9C10.C45
Gene No.	4580	Strand	-
Start	254	End	1039
Name	OJ990503_10.9C10.C45.o1.tw	Method	TBLASTX:Wheat
Start	302	End	724
GI	none	Score	187
Exons	302..724, 366..689		

Seq. No.	2176	Seq. ID	OJ990503_10.9C10.C45
Gene No.	4580	Strand	-
Start	254	End	1039
Name	OJ990503_10.9C10.C45.o1.tm	Method	TBLASTX:Maize
Start	482	End	974
GI	none	Score	215
Exons	482..922, 498..920, 920..973, 927..974		

Seq. No.	2176	Seq. ID	OJ990503_10.9C10.C45
Gene No.	4580	Strand	-
Start	254	End	1039
Name	OJ990503_10.9C10.C45.o2.tw	Method	TBLASTX:Wheat
Start	728	End	970
GI	none	Score	166
Exons	728..970, 732..959, 871..969		

Seq. No.	2177	Seq. ID	OJ990503_10.9C10.C47
Gene No.	4581	Strand	-
Start	91	End	147
Name	OJ990503_10.9C10.C47.o1.gp	Method	AAT/GAP
Start	91	End	147
GI	none	Score	84
Exons	91..147		

Seq. No.	2178	Seq. ID	OJ990503_10.9C10.C48
Gene No.	4582	Strand	+
Start	1	End	1000
Name	OJ990503_10.9C10.C48.o1.np	Method	AAT/NAP
Start	1	End	1000
GI	6063554	Score	195
Exons	1..53, 776..1000		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2179	Seq. ID	OJ990503_10.9C10.C49
Gene No.	4583	Strand	-
Start	1	End	1872
Name	OJ990503_10.9C10.C49.o1.np	Method	AAT/NAP
Start	1	End	1707
GI	6705984	Score	1109
Exons	1..1707		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	2179	Seq. ID	OJ990503_10.9C10.C49

Gene No.	4583	Strand	-
Start	1	End	1872
Name	OJ990503_10.9C10.C49.o1.gs	Method	GENSCAN
Start	339	End	1872
GI	none	Score	.79
Exons	339..501, 617..672, 803..1022, 1319..1593, 1840..1872		

Seq. No.	2179	Seq. ID	OJ990503_10.9C10.C49
Gene No.	4583	Strand	-
Start	1	End	1872
Name	OJ990503_10.9C10.C49.o1.tw	Method	TBLASTX:Wheat
Start	801	End	1307
GI	none	Score	182
Exons	801..1037, 803..1039, 803..1051, 1142..1306, 1182..1307		

Seq. No.	2179	Seq. ID	OJ990503_10.9C10.C49
Gene No.	4583	Strand	-
Start	1	End	1872
Name	OJ990503_10.9C10.C49.o1.tm	Method	TBLASTX:Maize
Start	1076	End	1350
GI	none	Score	68
Exons	1076..1159, 1145..1336, 1148..1294, 1171..1350, 1182..1301		

Seq. No.	2180	Seq. ID	OJ990503_10.9C10.C50
Gene No.	4584	Strand	-
Start	1	End	190
Name	OJ990503_10.9C10.C50.o1.np	Method	AAT/NAP
Start	1	End	190
GI	6705984	Score	96
Exons	1..190		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	2180	Seq. ID	OJ990503_10.9C10.C50
Gene No.	4585	Strand	-
Start	323	End	3679
Name	OJ990503_10.9C10.C50.o1.gs	Method	GENSCAN
Start	323	End	3679
GI	none	Score	.61
Exons	323..355, 699..787, 1095..1250, 2454..2696, 2827..3057, 3130..3219, 3667..3679		

Seq. No.	2180	Seq. ID	OJ990503_10.9C10.C50
Gene No.	4585	Strand	-
Start	323	End	3679
Name	OJ990503_10.9C10.C50.o2.np	Method	AAT/NAP
Start	669	End	809
GI	4584355	Score	59
Exons	669..809		
GI Descrip.	(AC006420) Ac-like transposase [Arabidopsis thaliana]		

Seq. No.	2181	Seq. ID	OJ990503_10.9C10.C51
Gene No.	4586	Strand	+
Start	1	End	1877
Name	OJ990503_10.9C10.C51.o1.np	Method	AAT/NAP
Start	1	End	1877
GI	6063554	Score	732
Exons	1..38, 124..403, 522..761, 1692..1877		

GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	2181	Seq. ID	OJ990503_10.9C10.C51
Gene No.	4586	Strand	+
Start	1	End	1877
Name	OJ990503_10.9C10.C51.o1.gs	Method	GENSCAN
Start	124	End	1173
GI	none	Score	.67
Exons	124..416, 514..724, 1057..1173		
Seq. No.	2181	Seq. ID	OJ990503_10.9C10.C51
Gene No.	4587	Strand	+
Start	2239	End	2543
Name	OJ990503_10.9C10.C51.o1.gp	Method	AAT/GAP
Start	2239	End	2543
GI	61605_3.R1084	Score	435
Exons	2239..2543		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	2181	Seq. ID	OJ990503_10.9C10.C51
Gene No.	4588	Strand	-
Start	2480	End	2930
Name	OJ990503_10.9C10.C51.o2.gs	Method	GENSCAN
Start	2480	End	2930
GI	none	Score	.44
Exons	2480..2930		
Seq. No.	2182	Seq. ID	OJ990503_10.9C10.C53
Gene No.	4589	Strand	+
Start	1498	End	6988
Name	OJ990503_10.9C10.C53.o1.np	Method	AAT/NAP
Start	1498	End	6988
GI	4582488	Score	520
Exons	1498..1757, 2879..3033, 3113..3288, 3384..3535, 6930..6988		
GI Descrip.	(AL021768) putative protein [Arabidopsis thaliana]		
Seq. No.	2182	Seq. ID	OJ990503_10.9C10.C53
Gene No.	4589	Strand	+
Start	1498	End	6988
Name	OJ990503_10.9C10.C53.o1.gs	Method	GENSCAN
Start	1652	End	4617
GI	none	Score	.57
Exons	1652..1716, 1886..1967, 2899..3033, 3113..3288, 3384..3535, 3715..3915, 4294..4491, 4541..4617		
Seq. No.	2182	Seq. ID	OJ990503_10.9C10.C53
Gene No.	4590	Strand	+
Start	9241	End	9742
Name	OJ990503_10.9C10.C53.o2.gp	Method	AAT/GAP
Start	9241	End	9742
GI	none	Score	943
Exons	9241..9742		
Seq. No.	2182	Seq. ID	OJ990503_10.9C10.C53

Gene No.	4591	Strand	-
Start	4979	End	5522
Name	OJ990503_10.9C10.C53.o2.gs	Method	GENSCAN
Start	4979	End	5522
GI	none	Score	.68
Exons	4979..5037, 5216..5522		

Seq. No.	2182	Seq. ID	OJ990503_10.9C10.C53
Gene No.	4592	Strand	-
Start	7710	End	9078
Name	OJ990503_10.9C10.C53.o1.tm	Method	TBLASTX:Maize
Start	2939	End	4322
GI	none	Score	129
Exons	2939..3034, 2941..3033, 2941..3051, 3097..3288, 3101..3289, 3102..3296, 3106..3297, 3369..3533, 3377..3535, 3385..3540, 3582..3842, 3619..3825, 3620..3826, 3624..3857, 3843..3965, 3843..3971, 3916..3966, 3968..4027, 4151..4309, 4173..4322, 4177..4314		

Seq. No.	2182	Seq. ID	OJ990503_10.9C10.C53
Gene No.	4592	Strand	-
Start	7710	End	9078
Name	OJ990503_10.9C10.C53.o1.ts	Method	TBLASTX:Soybean
Start	3101	End	3435
GI	none	Score	199
Exons	3101..3286, 3112..3285, 3384..3434, 3385..3435		

Seq. No.	2182	Seq. ID	OJ990503_10.9C10.C53
Gene No.	4592	Strand	-
Start	7710	End	9078
Name	OJ990503_10.9C10.C53.o2.tm	Method	TBLASTX:Maize
Start	4339	End	4688
GI	none	Score	124
Exons	4339..4491, 4343..4492, 4364..4498, 4437..4535, 4443..4535, 4452..4505, 4506..4679, 4506..4667, 4512..4679, 4512..4679, 4527..4688, 4601..4684		

Seq. No.	2182	Seq. ID	OJ990503_10.9C10.C53
Gene No.	4592	Strand	-
Start	7710	End	9078
Name	OJ990503_10.9C10.C53.o1.gp	Method	AAT/GAP
Start	7710	End	9078
GI	none	Score	666
Exons	7710..7764, 8761..9078		

Seq. No.	2183	Seq. ID	OJ990503_10.9C10.C54
Gene No.	4593	Strand	+
Start	1131	End	3826
Name	OJ990503_10.9C10.C54.o1.np	Method	AAT/NAP
Start	1131	End	3826
GI	3121731	Score	68
Exons	1131..1257, 1357..1470, 3789..3826		
GI Descrip.	ACONITATE HYDRATASE, CYTOPLASMIC (CITRATE HYDRO-LYASE) (ACONITASE) gi|2145473|emb|CAA65735| (X97012) aconitate hydratase [Solanum tuberosum]		

Seq. No.	2184	Seq. ID	OJ990503_10.9C10.C56

Gene No.	4594	Strand	+
Start	82	End	538
Name	OJ990503_10.9C10.C56.o1.np	Method	AAT/NAP
Start	82	End	538
GI	6562332	Score	230
Exons	82..343, 413..538		
GI Descrip.	(AJ249960) diaminopimelate decarboxylase [Arabidopsis thaliana]		

Seq. No.	2184	Seq. ID	OJ990503_10.9C10.C56
Gene No.	4594	Strand	+
Start	82	End	538
Name	OJ990503_10.9C10.C56.o1.gs	Method	GENSCAN
Start	215	End	343
GI	none	Score	.45
Exons	215..343		

Seq. No.	2184	Seq. ID	OJ990503_10.9C10.C56
Gene No.	4594	Strand	+
Start	82	End	538
Name	OJ990503_10.9C10.C56.o1.tc	Method	TBLASTX:Cress
Start	220	End	481
GI	none	Score	47
Exons	220..321, 221..250, 242..322, 411..473, 411..473, 413..481		

Seq. No.	2184	Seq. ID	OJ990503_10.9C10.C56
Gene No.	4594	Strand	+
Start	82	End	538
Name	OJ990503_10.9C10.C56.o1.tm	Method	TBLASTX:Maize
Start	220	End	482
GI	none	Score	41
Exons	220..339, 221..244, 242..343, 253..360, 257..349, 410..481, 411..482, 413..481		

Seq. No.	2184	Seq. ID	OJ990503_10.9C10.C56
Gene No.	4594	Strand	+
Start	82	End	538
Name	OJ990503_10.9C10.C56.o1.ts	Method	TBLASTX:Soybean
Start	220	End	481
GI	none	Score	49
Exons	220..342, 221..250, 251..343, 411..473, 411..473, 413..481		

Seq. No.	2184	Seq. ID	OJ990503_10.9C10.C56
Gene No.	4594	Strand	+
Start	82	End	538
Name	OJ990503_10.9C10.C56.o1.gp	Method	AAT/GAP
Start	221	End	483
GI	17442_1.R1084	Score	320
Exons	221..343, 413..483		
GI Descrip.	'118304/sp|P19572|DCDA_PSEAE 6.0e-69 DIAMINOPIMELATE DECARBOXYLASE (DAP DECARBOXYLASE) >gi_77626_pir__A31133 diaminopimelate decarboxylase (EC 4.1.1.20) - Pseudomonas aeruginosa'		

Seq. No.	2185	Seq. ID	OJ990503_10.9C10.C59
Gene No.	4595	Strand	+
Start	3590	End	7206
Name	OJ990503_10.9C10.C59.o1.gp	Method	AAT/GAP

Start	3590	End	4074
GI	uC-osflcyp032e11b1	Score	954
Exons	3590..4074		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	2185	Seq. ID	OJ990503_10.9C10.C59
Gene No.	4595	Strand	+
Start	3590	End	7206
Name	OJ990503_10.9C10.C59.o1.np	Method	AAT/NAP
Start	3654	End	6118
GI	4467158	Score	370
Exons	3654..4218, 4273..4471, 4610..4894, 6100..6118		
GI Descrip.	(AL035540) putative protein [Arabidopsis thaliana]		

Seq. No.	2185	Seq. ID	OJ990503_10.9C10.C59
Gene No.	4595	Strand	+
Start	3590	End	7206
Name	OJ990503_10.9C10.C59.o2.gp	Method	AAT/GAP
Start	4813	End	7206
GI	uC-osflcyp032e05a1	Score	950
Exons	4813..4971, 6879..7206		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	2185	Seq. ID	OJ990503_10.9C10.C59
Gene No.	4596	Strand	-
Start	5861	End	15045
Name	OJ990503_10.9C10.C59.o2.gs	Method	GENSCAN
Start	5861	End	15045
GI	none	Score	.52
Exons	5861..6005, 6129..6231, 7300..7396, 9581..9684, 9912..10092, 11385..11803, 12159..12202, 12604..12665, 12790..12879, 12949..13068, 13386..13571, 13721..13882, 15001..15045		

Seq. No.	2185	Seq. ID	OJ990503_10.9C10.C59
Gene No.	4596	Strand	-
Start	5861	End	15045
Name	OJ990503_10.9C10.C59.o2.tm	Method	TBLASTX:Maize
Start	8597	End	9644
GI	none	Score	82
Exons	8597..8665, 8804..8890, 8805..8885, 8811..8891, 8925..9059, 8933..9025, 8943..9056, 8944..9057, 9155..9292, 9155..9244, 9581..9643, 9582..9644		

Seq. No.	2185	Seq. ID	OJ990503_10.9C10.C59
Gene No.	4596	Strand	-
Start	5861	End	15045
Name	OJ990503_10.9C10.C59.o2.np	Method	AAT/NAP
Start	8904	End	12001
GI	2317725	Score	194
Exons	8904..9057, 9156..9241, 9581..9706, 11942..12001		
GI Descrip.	(AF015811) putative lysophosphatidic acid acyltransferase [Mus musculus]		

Seq. No.	2185	Seq. ID	OJ990503_10.9C10.C59
Gene No.	4596	Strand	-

Start	5861	End	15045
Name	OJ990503_10.9C10.C59.o3.gp	Method	AAT/GAP
Start	12355	End	13884
GI	17442_1.R1084	Score	1572
Exons	12355..12665, 12790..12879, 12949..13068, 13386..13571, 13721..13884		
GI Descrip.	'118304/sp|P19572|DCDA_PSEAE 6.0e-69 DIAMINOPIMELATE DECARBOXYLASE (DAP DECARBOXYLASE) >gi_77626_pir__A31133 diaminopimelate decarboxylase (EC 4.1.1.20) - Pseudomonas aeruginosa'		

Seq. No.	2185	Seq. ID	OJ990503_10.9C10.C59
Gene No.	4596	Strand	-
Start	5861	End	15045
Name	OJ990503_10.9C10.C59.o1.tm	Method	TBLASTX:Maize
Start	12540	End	13900
GI	none	Score	78
Exons	12540..12662, 12576..12665, 12581..12670, 12778..12879, 12779..12844, 12783..12881, 12789..12881, 12790..12882, 12932..13039, 12943..13035, 12949..13050, 12953..13072, 13048..13071, 13326..13571, 13386..13571, 13390..13572, 13709..13882, 13715..13900, 13719..13883, 13720..13893		

Seq. No.	2185	Seq. ID	OJ990503_10.9C10.C59
Gene No.	4596	Strand	-
Start	5861	End	15045
Name	OJ990503_10.9C10.C59.o1.ts	Method	TBLASTX:Soybean
Start	12583	End	13883
GI	none	Score	66
Exons	12583..12690, 12588..12665, 12778..12879, 12779..12844, 12780..12881, 12789..12881, 12790..12882, 12949..13041, 12950..13072, 13042..13071, 13386..13571, 13386..13571, 13387..13572, 13709..13882, 13719..13883, 13719..13883		

Seq. No.	2185	Seq. ID	OJ990503_10.9C10.C59
Gene No.	4596	Strand	-
Start	5861	End	15045
Name	OJ990503_10.9C10.C59.o1.tc	Method	TBLASTX:Cress
Start	12588	End	13466
GI	none	Score	53
Exons	12588..12665, 12589..12684, 12778..12879, 12779..12844, 12789..12881, 12790..12882, 12970..13050, 12971..13072, 13042..13071, 13386..13421, 13422..13466		

Seq. No.	2185	Seq. ID	OJ990503_10.9C10.C59
Gene No.	4596	Strand	-
Start	5861	End	15045
Name	OJ990503_10.9C10.C59.o3.np	Method	AAT/NAP
Start	12588	End	13529
GI	6562332	Score	556
Exons	12588..12665, 12790..12879, 12949..13068, 13386..13529		
GI Descrip.	(AJ249960) diaminopimelate decarboxylase [Arabidopsis thaliana]		

Seq. No.	2186	Seq. ID	OJ990503_10.9C10.C61
Gene No.	4597	Strand	+
Start	464	End	778
Name	OJ990503_10.9C10.C61.o1.gs	Method	GENSCAN

Start	464	End	778
GI	none	Score	.51
Exons	464..778		

Seq. No.	2187	Seq. ID	OJ990503_10.9C10.C68
Gene No.	4598	Strand	+
Start	167	End	339
Name	OJ990503_10.9C10.C68.o1.gs	Method	GENSCAN
Start	167	End	339
GI	none	Score	.6
Exons	167..339		

Seq. No.	2188	Seq. ID	OJ990503_10.9C10.C70
Gene No.	4599	Strand	+
Start	254	End	607
Name	OJ990503_10.9C10.C70.o1.gs	Method	GENSCAN
Start	254	End	607
GI	none	Score	.75
Exons	254..344, 570..607		

Seq. No.	2188	Seq. ID	OJ990503_10.9C10.C70
Gene No.	4600	Strand	-
Start	2022	End	2110
Name	OJ990503_10.9C10.C70.o2.gs	Method	GENSCAN
Start	2022	End	2110
GI	none	Score	.55
Exons	2022..2110		

Seq. No.	2189	Seq. ID	OJ990503_10.9C10.C71
Gene No.	4601	Strand	-
Start	1721	End	5613
Name	OJ990503_10.9C10.C71.o1.gs	Method	GENSCAN
Start	1721	End	5548
GI	none	Score	.47
Exons	1721..1888, 2047..2235, 3506..4896, 5272..5548		

Seq. No.	2189	Seq. ID	OJ990503_10.9C10.C71
Gene No.	4601	Strand	-
Start	1721	End	5613
Name	OJ990503_10.9C10.C71.o1.np	Method	AAT/NAP
Start	4163	End	5613
GI	6691193	Score	299
Exons	4163..4796, 5579..5613		
GI Descrip.	(AC007534) F7F22.17 [Arabidopsis thaliana]		

Seq. No.	2189	Seq. ID	OJ990503_10.9C10.C71
Gene No.	4601	Strand	-
Start	1721	End	5613
Name	OJ990503_10.9C10.C71.o1.tw	Method	TBLASTX:Wheat
Start	4388	End	4759
GI	none	Score	56
Exons	4388..4573, 4389..4502, 4616..4759		

Seq. No.	2190	Seq. ID	OJ990503_10.9C10.C72
Gene No.	4602	Strand	+
Start	656	End	787
Name	OJ990503_10.9C10.C72.o1.gs	Method	GENSCAN

Start	656	End	787
GI	none	Score	.83
Exons	656..787		

Seq. No.	2190	Seq. ID	OJ990503_10.9C10.C72
Gene No.	4603	Strand	-
Start	2294	End	2581
Name	OJ990503_10.9C10.C72.o2.gs	Method	GENSCAN
Start	2294	End	2581
GI	none	Score	.72
Exons	2294..2581		

Seq. No.	2190	Seq. ID	OJ990503_10.9C10.C72
Gene No.	4604	Strand	-
Start	3308	End	3407
Name	OJ990503_10.9C10.C72.o1.np	Method	AAT/NAP
Start	3308	End	3407
GI	3309243	Score	47
Exons	3308..3407		
GI Descrip.	(AF073507) aconitase-iron regulated protein 1 [Citrus limon]		

Seq. No.	2191	Seq. ID	OJ990503_10.9C10.C74
Gene No.	4605	Strand	+
Start	243	End	340
Name	OJ990503_10.9C10.C74.o1.gs	Method	GENSCAN
Start	243	End	340
GI	none	Score	.76
Exons	243..340		

Seq. No.	2192	Seq. ID	OJ990503_10.9C10.C75
Gene No.	4606	Strand	+
Start	1	End	555
Name	OJ990503_10.9C10.C75.o1.np	Method	AAT/NAP
Start	1	End	492
GI	4512242	Score	832
Exons	1..492		
GI Descrip.	(AB014750) polyprotein [Nicotiana tabacum]		

Seq. No.	2192	Seq. ID	OJ990503_10.9C10.C75
Gene No.	4606	Strand	+
Start	1	End	555
Name	OJ990503_10.9C10.C75.o1.gs	Method	GENSCAN
Start	25	End	460
GI	none	Score	.59
Exons	25..460		

Seq. No.	2192	Seq. ID	OJ990503_10.9C10.C75
Gene No.	4606	Strand	+
Start	1	End	555
Name	OJ990503_10.9C10.C75.o1.tw	Method	TBLASTX:Wheat
Start	72	End	555
GI	none	Score	143
Exons	72..419, 73..555, 105..494, 121..498		

Seq. No.	2192	Seq. ID	OJ990503_10.9C10.C75
Gene No.	4606	Strand	+
Start	1	End	555

Name	OJ990503_10.9C10.C75.o1.ts	Method	TBLASTX:Soybean
Start	79	End	324
GI	none	Score	209
Exons	79..324, 81..323		

Seq. No.	2192	Seq. ID	OJ990503_10.9C10.C75
Gene No.	4606	Strand	+
Start	1	End	555
Name	OJ990503_10.9C10.C75.o1.tm	Method	TBLASTX:Maize
Start	144	End	507
GI	none	Score	465
Exons	144..494, 145..498, 145..507		

Seq. No.	2193	Seq. ID	OJ990503_10.9C10.C76
Gene No.	4607	Strand	-
Start	1	End	460
Name	OJ990503_10.9C10.C76.o1.np	Method	AAT/NAP
Start	1	End	460
GI	4680203	Score	585
Exons	1..460		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	2193	Seq. ID	OJ990503_10.9C10.C76
Gene No.	4607	Strand	-
Start	1	End	460
Name	OJ990503_10.9C10.C76.o1.gs	Method	GENSCAN
Start	60	End	428
GI	none	Score	.84
Exons	60..428		

Seq. No.	2193	Seq. ID	OJ990503_10.9C10.C76
Gene No.	4607	Strand	-
Start	1	End	460
Name	OJ990503_10.9C10.C76.o1.tw	Method	TBLASTX:Wheat
Start	170	End	430
GI	none	Score	196
Exons	170..421, 180..422, 181..423, 188..430		

Seq. No.	2193	Seq. ID	OJ990503_10.9C10.C76
Gene No.	4607	Strand	-
Start	1	End	460
Name	OJ990503_10.9C10.C76.o1.ts	Method	TBLASTX:Soybean
Start	180	End	398
GI	none	Score	99
Exons	180..398, 184..390		

Seq. No.	2194	Seq. ID	OJ990923_15.9C01.C1
Gene No.	4608	Strand	+
Start	6680	End	7090
Name	OJ990923_15.9C01.C1.o4.gp	Method	AAT/GAP
Start	6680	End	7090
GI	LIB3431-002-P1-N1-B12	Score	814
Exons	6680..7090		
GI Descrip.	'2244806/emb|CAB10229.1| 9.0e-28 (Z97336) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	2194	Seq. ID	OJ990923_15.9C01.C1

Gene No.	4609	Strand	-
Start	902	End	1215
Name	OJ990923_15.9C01.C1.o1.gp	Method	AAT/GAP
Start	902	End	1215
GI	3763436	Score	517
Exons	902..1215		

Seq. No.	2194	Seq. ID	OJ990923_15.9C01.C1
Gene No.	4610	Strand	-
Start	1249	End	5099
Name	OJ990923_15.9C01.C1.o1.gs	Method	GENSCAN
Start	1249	End	5099
GI	none	Score	.97
Exons	1249..1688, 1819..1900, 3026..3202, 3549..3708, 4714..5099		

Seq. No.	2194	Seq. ID	OJ990923_15.9C01.C1
Gene No.	4610	Strand	-
Start	1249	End	5099
Name	OJ990923_15.9C01.C1.o1.np	Method	AAT/NAP
Start	1255	End	5099
GI	2244806	Score	943
Exons	1255..1693, 2835..2954, 3023..3202, 3549..3685, 4718..5099		
GI Descrip.	(Z97336) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2194	Seq. ID	OJ990923_15.9C01.C1
Gene No.	4610	Strand	-
Start	1249	End	5099
Name	OJ990923_15.9C01.C1.o2.gp	Method	AAT/GAP
Start	1309	End	1886
GI	3763435	Score	829
Exons	1309..1688, 1819..1886		
GI Descrip.	2244806/emb|CAB10229.1| 9.0e-28 (Z97336) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2194	Seq. ID	OJ990923_15.9C01.C1
Gene No.	4610	Strand	-
Start	1249	End	5099
Name	OJ990923_15.9C01.C1.o3.gp	Method	AAT/GAP
Start	3769	End	4220
GI	4879172	Score	804
Exons	3769..4220		

Seq. No.	2194	Seq. ID	OJ990923_15.9C01.C1
Gene No.	4611	Strand	-
Start	10669	End	11324
Name	OJ990923_15.9C01.C1.o2.np	Method	AAT/NAP
Start	10669	End	11324
GI	4455358	Score	224
Exons	10669..11324		
GI Descrip.	(AL035524) putative protein [Arabidopsis thaliana]		

Seq. No.	2194	Seq. ID	OJ990923_15.9C01.C1
Gene No.	4611	Strand	-
Start	10669	End	11324
Name	OJ990923_15.9C01.C1.o5.gp	Method	AAT/GAP
Start	10874	End	11308
GI	none	Score	792

Exons	10874..11308		
Seq. No.	2194	Seq. ID	OJ990923_15.9C01.C1
Gene No.	4612	Strand	-
Start	13797	End	16235
Name	OJ990923_15.9C01.C1.o3.gs	Method	GENSCAN
Start	13797	End	16235
GI	none	Score	.83
Exons	13797..13810, 15315..15384, 15999..16235		
Seq. No.	2194	Seq. ID	OJ990923_15.9C01.C1
Gene No.	4613	Strand	-
Start	19769	End	19993
Name	OJ990923_15.9C01.C1.o1.tm	Method	TBLASTX:Maize
Start	1244	End	5103
GI	none	Score	438
Exons	1244..1696, 1255..1698, 1820..1903, 1821..1901, 1822..1908, 2840..2935, 2840..2920, 2850..2933, 2854..2937, 3026..3208, 3026..3199, 3027..3218, 3027..3203, 3534..3707, 3548..3700, 3549..3710, 4812..5102, 4837..4875, 4942..5103		
Seq. No.	2194	Seq. ID	OJ990923_15.9C01.C1
Gene No.	4613	Strand	-
Start	19769	End	19993
Name	OJ990923_15.9C01.C1.o1.ts	Method	TBLASTX:Soybean
Start	1459	End	5072
GI	none	Score	126
Exons	1459..1710, 1469..1654, 1815..1901, 1820..1903, 2850..2933, 2854..2943, 3026..3208, 3026..3199, 3549..3644, 4953..5072		
Seq. No.	2194	Seq. ID	OJ990923_15.9C01.C1
Gene No.	4613	Strand	-
Start	19769	End	19993
Name	OJ990923_15.9C01.C1.o1.tc	Method	TBLASTX:Cress
Start	1546	End	3632
GI	none	Score	96
Exons	1546..1698, 1565..1690, 1820..1903, 2850..2933, 2854..2943, 3026..3208, 3026..3199, 3549..3632		
Seq. No.	2194	Seq. ID	OJ990923_15.9C01.C1
Gene No.	4613	Strand	-
Start	19769	End	19993
Name	OJ990923_15.9C01.C1.o2.tc	Method	TBLASTX:Cress
Start	4824	End	5111
GI	none	Score	242
Exons	4824..4901, 4896..5111		
Seq. No.	2194	Seq. ID	OJ990923_15.9C01.C1
Gene No.	4613	Strand	-
Start	19769	End	19993
Name	OJ990923_15.9C01.C1.o2.tm	Method	TBLASTX:Maize
Start	10645	End	10998
GI	none	Score	257
Exons	10645..10872, 10645..10983, 10655..10981, 10948..10998		
Seq. No.	2194	Seq. ID	OJ990923_15.9C01.C1
Gene No.	4613	Strand	-

Start	19769	End	19993
Name	OJ990923_15.9C01.C1.o2.ts	Method	TBLASTX:Soybean
Start	10750	End	10941
GI	none	Score	119
Exons	10750..10941, 10754..10849, 10759..10863		

Seq. No.	2194	Seq. ID	OJ990923_15.9C01.C1
Gene No.	4613	Strand	-
Start	19769	End	19993
Name	OJ990923_15.9C01.C1.o3.tc	Method	TBLASTX:Cress
Start	10750	End	10941
GI	none	Score	220
Exons	10750..10941		

Seq. No.	2194	Seq. ID	OJ990923_15.9C01.C1
Gene No.	4613	Strand	-
Start	19769	End	19993
Name	OJ990923_15.9C01.C1.o5.gs	Method	GENSCAN
Start	19769	End	19993
GI	none	Score	.82
Exons	19769..19993		

Seq. No.	2195	Seq. ID	OJ990923_15.9C01.C3
Gene No.	4614	Strand	-
Start	229	End	1931
Name	OJ990923_15.9C01.C3.o1.gs	Method	GENSCAN
Start	229	End	1931
GI	none	Score	.53
Exons	229..251, 366..469, 1199..1252, 1914..1931		

Seq. No.	2196	Seq. ID	OJ990923_15.9C01.C4
Gene No.	4615	Strand	+
Start	1	End	2416
Name	OJ990923_15.9C01.C4.o1.gp	Method	AAT/GAP
Start	1	End	1833
GI	83775_1.R1084	Score	701
Exons	1..63, 1488..1833		
GI Descrip.	'4538911/emb|CAB39648.1| 2.0e-18 (AL049482) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	2196	Seq. ID	OJ990923_15.9C01.C4
Gene No.	4615	Strand	+
Start	1	End	2416
Name	OJ990923_15.9C01.C4.o1.tm	Method	TBLASTX:Maize
Start	3	End	2416
GI	none	Score	407
Exons	3..68, 1491..1919, 1501..1920, 2359..2415, 2359..2415, 2360..2416		

Seq. No.	2196	Seq. ID	OJ990923_15.9C01.C4
Gene No.	4615	Strand	+
Start	1	End	2416
Name	OJ990923_15.9C01.C4.o1.gs	Method	GENSCAN
Start	1488	End	1926
GI	none	Score	.86
Exons	1488..1926		

Seq. No.	2196	Seq. ID	OJ990923_15.9C01.C4
Gene No.	4615	Strand	+
Start	1	End	2416
Name	OJ990923_15.9C01.C4.o1.tw	Method	TBLASTX:Wheat
Start	1528	End	1926
GI	none	Score	66
Exons	1528..1614, 1528..1608, 1633..1836, 1667..1795, 1668..1853, 1719..1832, 1846..1920, 1852..1926		

Seq. No.	2196	Seq. ID	OJ990923_15.9C01.C4
Gene No.	4616	Strand	
Start	2689	End	2958
Name	OJ990923_15.9C01.C4.o2.tm	Method	TBLASTX:Maize
Start	2689	End	2958
GI	none	Score	138
Exons	2689..2793, 2697..2807, 2820..2951, 2875..2958, 2880..2957		

Seq. No.	2197	Seq. ID	OJ990923_15.9C01.C5
Gene No.	4617	Strand	+
Start	750	End	2979
Name	OJ990923_15.9C01.C5.o1.np	Method	AAT/NAP
Start	750	End	2979
GI	4585989	Score	163
Exons	750..875, 1507..1725, 2895..2979		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2197	Seq. ID	OJ990923_15.9C01.C5
Gene No.	4617	Strand	+
Start	750	End	2979
Name	OJ990923_15.9C01.C5.o1.gp	Method	AAT/GAP
Start	755	End	1878
GI	uC-osf1M202051d11b1	Score	923
Exons	755..875, 1507..1878		
GI Descrip.	'4585989/gb|AAD25625.1|AC005287_27 9.0e-10 (AC005287) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	2197	Seq. ID	OJ990923_15.9C01.C5
Gene No.	4617	Strand	+
Start	750	End	2979
Name	OJ990923_15.9C01.C5.o1.tm	Method	TBLASTX:Maize
Start	764	End	2091
GI	none	Score	146
Exons	764..820, 795..878, 801..887, 1503..1718, 1506..1718, 1507..1719, 1627..1836, 1717..1830, 1718..1837, 1767..1841, 1850..1936, 1881..1916, 1916..1954, 1928..1996, 1953..1991, 1953..2000, 1954..2007, 2030..2062, 2062..2091		

Seq. No.	2197	Seq. ID	OJ990923_15.9C01.C5
Gene No.	4617	Strand	+
Start	750	End	2979
Name	OJ990923_15.9C01.C5.o1.gs	Method	GENSCAN
Start	765	End	1776
GI	none	Score	.96
Exons	765..875, 1507..1776		

Seq. No.	2198	Seq. ID	OJ990923_15.9C01.C6
Gene No.	4618	Strand	+

Start	54	End	21590
Name	OJ990923_15.9C01.C6.o1.gs	Method	GENSCAN
Start	54	End	21590
GI	none	Score	.71
Exons	54..133, 542..578, 774..877, 1216..1411, 1772..1860, 1891..2042, 3712..3766, 4722..4853, 5240..5309, 5725..5782, 5869..5924, 6011..6166, 6285..6396, 6478..6619, 6837..6912, 7002..7097, 10896..11003, 11294..11366, 12305..12414, 12868..12940, 13036..13084, 13168..13291, 16182..16520, 18044..18282, 19574..19726, 20051..20289, 20908..21041, 21423..21590		

Seq. No.	2198	Seq. ID	OJ990923_15.9C01.C6
Gene No.	4618	Strand	+
Start	54	End	21590
Name	OJ990923_15.9C01.C6.o2.gp	Method	AAT/GAP
Start	12096	End	12201
GI	28754_1.R1084	Score	149
Exons	12096..12201		
GI Descrip.	'3935169 5.0e-12 (AC004557) F17L21.12 [Arabidopsis thaliana]'		

Seq. No.	2198	Seq. ID	OJ990923_15.9C01.C6
Gene No.	4618	Strand	+
Start	54	End	21590
Name	OJ990923_15.9C01.C6.o1.np	Method	AAT/NAP
Start	12855	End	13084
GI	3288716	Score	81
Exons	12855..12940, 13036..13084		
GI Descrip.	(AB015858) AMY-1 [Mus musculus]		

Seq. No.	2198	Seq. ID	OJ990923_15.9C01.C6
Gene No.	4618	Strand	+
Start	54	End	21590
Name	OJ990923_15.9C01.C6.o3.gp	Method	AAT/GAP
Start	12868	End	13243
GI	2280603	Score	298
Exons	12868..12940, 13036..13084, 13168..13243		

Seq. No.	2198	Seq. ID	OJ990923_15.9C01.C6
Gene No.	4618	Strand	+
Start	54	End	21590
Name	OJ990923_15.9C01.C6.o4.gp	Method	AAT/GAP
Start	12887	End	13274
GI	2280603	Score	346
Exons	12887..12940, 13036..13084, 13168..13274		

Seq. No.	2198	Seq. ID	OJ990923_15.9C01.C6
Gene No.	4618	Strand	+
Start	54	End	21590
Name	OJ990923_15.9C01.C6.o5.gp	Method	AAT/GAP
Start	15791	End	15951
GI	LIB3474-009-P1-K1-F11	Score	231
Exons	15791..15951		
GI Descrip.	'4455244/emb|CAB36743.1| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	2198	Seq. ID	OJ990923_15.9C01.C6
Gene No.	4619	Strand	+

Start	22564	End	23263
Name	OJ990923_15.9C01.C6.o6.gp	Method	AAT/GAP
Start	22564	End	23263
GI	3856_1.R1084	Score	1245
Exons	22564..23263		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 7.0e-48 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	2198	Seq. ID	OJ990923_15.9C01.C6
Gene No.	4620	Strand	+
Start	26355	End	26521
Name	OJ990923_15.9C01.C6.o7.gp	Method	AAT/GAP
Start	26355	End	26521
GI	3106672	Score	233
Exons	26355..26521		
GI Descrip.	5734616/dbj|AP000391.1|AP000391 7.0e-48 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01		

Seq. No.	2198	Seq. ID	OJ990923_15.9C01.C6
Gene No.	4621	Strand	+
Start	34478	End	36248
Name	OJ990923_15.9C01.C6.o4.np	Method	AAT/NAP
Start	34478	End	36248
GI	5922620	Score	116
Exons	34478..34540, 35991..36048, 36150..36248		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2198	Seq. ID	OJ990923_15.9C01.C6
Gene No.	4622	Strand	+
Start	36429	End	38077
Name	OJ990923_15.9C01.C6.o4.gs	Method	GENSCAN
Start	36429	End	38077
GI	none	Score	.76
Exons	36429..36476, 37940..38077		

Seq. No.	2198	Seq. ID	OJ990923_15.9C01.C6
Gene No.	4623	Strand	+
Start	38123	End	38237
Name	OJ990923_15.9C01.C6.o6.np	Method	AAT/NAP
Start	38123	End	38237
GI	6815099	Score	79
Exons	38123..38237		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	2198	Seq. ID	OJ990923_15.9C01.C6
Gene No.	4624	Strand	-
Start	7201	End	7626
Name	OJ990923_15.9C01.C6.o1.gp	Method	AAT/GAP
Start	7201	End	7626
GI	none	Score	786
Exons	7201..7626		

Seq. No.	2198	Seq. ID	OJ990923_15.9C01.C6

Gene No.	4625	Strand	-
Start	15896	End	22983
Name	OJ990923_15.9C01.C6.o2.np	Method	AAT/NAP
Start	15896	End	22983
GI	6706416	Score	149
Exons	15896..16082, 22883..22983		
GI Descrip.	(AL133248) putative protein [Arabidopsis thaliana]		

Seq. No.	2198	Seq. ID	OJ990923_15.9C01.C6
Gene No.	4626	Strand	-
Start	29433	End	35699
Name	OJ990923_15.9C01.C6.o8.gp	Method	AAT/GAP
Start	29102	End	31076
GI	645_1.R1084	Score	1465
Exons	29102..29588, 29670..29792, 30893..31076		
GI Descrip.	'3915131/sp|Q42443|THIH_ORYSA 5.0e-61 THIOREDOXIN H-TYPE (TRX-H) (PHLOEM SAP 13 KD PROTEIN-1) >gi_426442_dbj_BAA04864_ (D21836) thioredoxin h [Oryza sativa] >gi_454882_dbj_BAA05546_ (D26547) rice thioredoxin h [Oryza sativa] >gi_1930072 (U92541) thioredoxin h [Oryza sativa]'		

Seq. No.	2198	Seq. ID	OJ990923_15.9C01.C6
Gene No.	4626	Strand	-
Start	29433	End	35699
Name	OJ990923_15.9C01.C6.o3.gs	Method	GENSCAN
Start	29433	End	35699
GI	none	Score	.41
Exons	29433..29588, 29670..29792, 30893..31252, 32953..33034, 33949..34142, 34750..34893, 35270..35394, 35690..35699		

Seq. No.	2198	Seq. ID	OJ990923_15.9C01.C6
Gene No.	4626	Strand	-
Start	29433	End	35699
Name	OJ990923_15.9C01.C6.o3.np	Method	AAT/NAP
Start	29436	End	30982
GI	3915131	Score	565
Exons	29436..29588, 29670..29792, 30893..30982		
GI Descrip.	THIOREDOXIN H-TYPE (TRX-H) (PHLOEM SAP 13 KD PROTEIN-1) gi|426442|dbj|BAA04864| (D21836) thioredoxin h [Oryza sativa] gi|454882|dbj|BAA05546.1| (D26547) rice thioredoxin h [Oryza sativa] gi|1930072 (U92541) thioredoxin h [Oryza sativa]		

Seq. No.	2198	Seq. ID	OJ990923_15.9C01.C6
Gene No.	4627	Strand	-
Start	36387	End	36470
Name	OJ990923_15.9C01.C6.o2.tm	Method	TBLASTX:Maize
Start	2597	End	6618
GI	none	Score	84
Exons	2597..2647, 2598..2648, 4723..4854, 5724..5786, 5728..5784, 5862..5921, 5867..5923, 6011..6076, 6011..6076, 6080..6166, 6291..6395, 6291..6416, 6469..6618		

Seq. No.	2198	Seq. ID	OJ990923_15.9C01.C6
Gene No.	4627	Strand	-
Start	36387	End	36470
Name	OJ990923_15.9C01.C6.o3.tc	Method	TBLASTX:Cress
Start	12867	End	13307

GI	none	Score	104
Exons	12867..12944, 12868..12945, 13034..13087, 13035..13085, 13058..13087, 13162..13281, 13168..13296, 13169..13294, 13173..13307		

Seq. No.	2198	Seq. ID	OJ990923_15.9C01.C6
Gene No.	4627	Strand	-
Start	36387	End	36470
Name	OJ990923_15.9C01.C6.o2.ts	Method	TBLASTX:Soybean
Start	12868	End	13291
GI	none	Score	87
Exons	12868..12945, 13034..13087, 13035..13085, 13168..13287, 13169..13291		

Seq. No.	2198	Seq. ID	OJ990923_15.9C01.C6
Gene No.	4627	Strand	-
Start	36387	End	36470
Name	OJ990923_15.9C01.C6.o2.tw	Method	TBLASTX:Wheat
Start	22738	End	23168
GI	none	Score	48
Exons	22738..22800, 22742..22801, 22889..22987, 22891..22989, 22892..22990, 23057..23167, 23073..23168		

Seq. No.	2198	Seq. ID	OJ990923_15.9C01.C6
Gene No.	4627	Strand	-
Start	36387	End	36470
Name	OJ990923_15.9C01.C6.o1.tc	Method	TBLASTX:Cress
Start	22891	End	23129
GI	none	Score	429
Exons	22891..23127, 22892..23128, 22929..23129, 23028..23129		

Seq. No.	2198	Seq. ID	OJ990923_15.9C01.C6
Gene No.	4627	Strand	-
Start	36387	End	36470
Name	OJ990923_15.9C01.C6.o1.tm	Method	TBLASTX:Maize
Start	29431	End	30991
GI	none	Score	99
Exons	29431..29565, 29434..29589, 29466..29591, 29646..29792, 29649..29786, 29698..29793, 30890..30991, 30891..30989		

Seq. No.	2198	Seq. ID	OJ990923_15.9C01.C6
Gene No.	4627	Strand	-
Start	36387	End	36470
Name	OJ990923_15.9C01.C6.o1.ts	Method	TBLASTX:Soybean
Start	29449	End	29792
GI	none	Score	112
Exons	29449..29565, 29466..29591, 29670..29792, 29678..29782, 29698..29784		

Seq. No.	2198	Seq. ID	OJ990923_15.9C01.C6
Gene No.	4627	Strand	-
Start	36387	End	36470
Name	OJ990923_15.9C01.C6.o2.tc	Method	TBLASTX:Cress
Start	29463	End	30982
GI	none	Score	91
Exons	29463..29591, 29467..29586, 29670..29789, 29670..29792, 29698..29793, 30890..30982		

Seq. No.	2198	Seq. ID	OJ990923_15.9C01.C6
Gene No.	4627	Strand	-
Start	36387	End	36470
Name	OJ990923_15.9C01.C6.o1.tw	Method	TBLASTX:Wheat
Start	29475	End	29793
GI	none	Score	106
Exons	29475..29585, 29479..29583, 29670..29792, 29671..29793, 29672..29785, 29698..29793		

Seq. No.	2198	Seq. ID	OJ990923_15.9C01.C6
Gene No.	4627	Strand	-
Start	36387	End	36470
Name	OJ990923_15.9C01.C6.o5.np	Method	AAT/NAP
Start	36387	End	36470
GI	6630699	Score	68
Exons	36387..36470		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	2199	Seq. ID	OJ990923_15.9C01.C7
Gene No.	4628	Strand	+
Start	6871	End	7957
Name	OJ990923_15.9C01.C7.o2.gs	Method	GENSCAN
Start	6871	End	7957
GI	none	Score	.64
Exons	6871..6985, 7890..7957		

Seq. No.	2199	Seq. ID	OJ990923_15.9C01.C7
Gene No.	4629	Strand	+
Start	17473	End	17574
Name	OJ990923_15.9C01.C7.o2.np	Method	AAT/NAP
Start	17473	End	17574
GI	5922634	Score	78
Exons	17473..17574		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	2199	Seq. ID	OJ990923_15.9C01.C7
Gene No.	4630	Strand	+
Start	22413	End	29811
Name	OJ990923_15.9C01.C7.o2.gp	Method	AAT/GAP
Start	22413	End	29811
GI	15349_1.R1084	Score	1154
Exons	22413..22519, 24807..25155, 27410..27478, 29080..29215, 29772..29811		
GI Descrip.	'629783/pir||S44281 4.0e-43 ES43 protein - barley >gi_1345528_emb_CAA54682_ (X77575) ES43 [Hordeum vulgare]'		

Seq. No.	2199	Seq. ID	OJ990923_15.9C01.C7
Gene No.	4630	Strand	+
Start	22413	End	29811
Name	OJ990923_15.9C01.C7.o3.np	Method	AAT/NAP
Start	22432	End	29798
GI	629783	Score	791

Exons	22432..22519, 24807..25155, 27410..27478, 29080..29215, 29772..29798		
GI Descrip.	ES43 protein - barley gi|1345528|emb|CAA54682| (X77575) ES43 [Hordeum vulgare]		
Seq. No.	2199	Seq. ID	OJ990923_15.9C01.C7
Gene No.	4631	Strand	-
Start	8741	End	11254
Name	OJ990923_15.9C01.C7.o1.np	Method	AAT/NAP
Start	8539	End	11238
GI	3176715	Score	1280
Exons	8539..8655, 8756..10795, 10823..11017, 11060..11238		
GI Descrip.	(AC002392) putative receptor-like protein kinase [Arabidopsis thaliana]		
Seq. No.	2199	Seq. ID	OJ990923_15.9C01.C7
Gene No.	4631	Strand	-
Start	8741	End	11254
Name	OJ990923_15.9C01.C7.o3.gs	Method	GENSCAN
Start	8741	End	11254
GI	none	Score	1
Exons	8741..11254		
Seq. No.	2199	Seq. ID	OJ990923_15.9C01.C7
Gene No.	4632	Strand	-
Start	11961	End	13622
Name	OJ990923_15.9C01.C7.o4.gs	Method	GENSCAN
Start	11961	End	13622
GI	none	Score	.44
Exons	11961..12070, 12787..12833, 12888..13099, 13461..13622		
Seq. No.	2199	Seq. ID	OJ990923_15.9C01.C7
Gene No.	4633	Strand	-
Start	15490	End	15602
Name	OJ990923_15.9C01.C7.o4.ts	Method	TBLASTX:Soybean
Start	4386	End	5025
GI	none	Score	50
Exons	4386..4448, 4439..4666, 4534..4665, 4767..4907, 4772..4909, 4915..5025		
Seq. No.	2199	Seq. ID	OJ990923_15.9C01.C7
Gene No.	4633	Strand	-
Start	15490	End	15602
Name	OJ990923_15.9C01.C7.o1.tc	Method	TBLASTX:Cress
Start	8768	End	11041
GI	none	Score	50
Exons	8768..9004, 8843..9001, 9044..9571, 9045..9581, 9582..9647, 9965..10018, 10133..10393, 10913..11041		
Seq. No.	2199	Seq. ID	OJ990923_15.9C01.C7
Gene No.	4633	Strand	-
Start	15490	End	15602
Name	OJ990923_15.9C01.C7.o2.ts	Method	TBLASTX:Soybean
Start	8783	End	9617
GI	none	Score	67
Exons	8783..8977, 9047..9544, 9054..9170, 9204..9341, 9386..9544, 9597..9617		

Seq. No.	2199	Seq. ID	OJ990923_15.9C01.C7
Gene No.	4633	Strand	-
Start	15490	End	15602
Name	OJ990923_15.9C01.C7.o2.tm	Method	TBLASTX:Maize
Start	8819	End	9614
GI	none	Score	73
Exons	8819..8977, 8820..8990, 9047..9544, 9054..9332, 9387..9548, 9591..9614		

Seq. No.	2199	Seq. ID	OJ990923_15.9C01.C7
Gene No.	4633	Strand	-
Start	15490	End	15602
Name	OJ990923_15.9C01.C7.o2.tw	Method	TBLASTX:Wheat
Start	9101	End	9515
GI	none	Score	117
Exons	9101..9160, 9164..9367, 9204..9341, 9362..9514, 9384..9515		

Seq. No.	2199	Seq. ID	OJ990923_15.9C01.C7
Gene No.	4633	Strand	-
Start	15490	End	15602
Name	OJ990923_15.9C01.C7.o3.tm	Method	TBLASTX:Maize
Start	9614	End	10021
GI	none	Score	72
Exons	9614..9712, 9615..9695, 9740..9886, 9784..9900, 9899..9946, 9902..9949, 9956..10021		

Seq. No.	2199	Seq. ID	OJ990923_15.9C01.C7
Gene No.	4633	Strand	-
Start	15490	End	15602
Name	OJ990923_15.9C01.C7.o1.tw	Method	TBLASTX:Wheat
Start	9921	End	10325
GI	none	Score	165
Exons	9921..10094, 9922..10101, 9923..10114, 10017..10109, 10088..10309, 10125..10325, 10128..10310, 10129..10311		

Seq. No.	2199	Seq. ID	OJ990923_15.9C01.C7
Gene No.	4633	Strand	-
Start	15490	End	15602
Name	OJ990923_15.9C01.C7.o3.ts	Method	TBLASTX:Soybean
Start	10097	End	10435
GI	none	Score	72
Exons	10097..10306, 10325..10435		

Seq. No.	2199	Seq. ID	OJ990923_15.9C01.C7
Gene No.	4633	Strand	-
Start	15490	End	15602
Name	OJ990923_15.9C01.C7.o1.gp	Method	AAT/GAP
Start	15490	End	15602
GI	none	Score	167
Exons	15490..15602		

Seq. No.	2199	Seq. ID	OJ990923_15.9C01.C7
Gene No.	4634	Strand	
Start	22424	End	29218
Name	OJ990923_15.9C01.C7.o1.tm	Method	TBLASTX:Maize
Start	22424	End	29218

GI	none	Score	107
Exons	22424..22462, 22452..22517, 22453..22518, 24787..25155, 24809..25156, 27409..27480, 27410..27481, 27411..27479, 27542..27559, 29050..29217, 29079..29213, 29081..29218		

Seq. No.	2199	Seq. ID	OJ990923_15.9C01.C7
Gene No.	4634	Strand	
Start	22424	End	29218
Name	OJ990923_15.9C01.C7.o1.ts	Method	TBLASTX:Soybean
Start	22447	End	27487
GI	none	Score	75
Exons	22447..22518, 24805..24912, 24806..24916, 24902..25156, 24904..25158, 25060..25158, 27411..27479, 27413..27487		

Seq. No.	2199	Seq. ID	OJ990923_15.9C01.C7
Gene No.	4634	Strand	
Start	22424	End	29218
Name	OJ990923_15.9C01.C7.o2.tc	Method	TBLASTX:Cress
Start	24805	End	25081
GI	none	Score	89
Exons	24805..24885, 24809..24880, 24890..25081, 24892..25080, 24917..25081		

Seq. No.	2200	Seq. ID	OJ990923_15.9C01.C8
Gene No.	4635	Strand	+
Start	362	End	440
Name	OJ990923_15.9C01.C8.o1.np	Method	AAT/NAP
Start	362	End	440
GI	6630699	Score	72
Exons	362..440		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	2201	Seq. ID	OJ990923_15.9C01.C9
Gene No.	4636	Strand	+
Start	347	End	595
Name	OJ990923_15.9C01.C9.o1.np	Method	AAT/NAP
Start	347	End	595
GI	3915131	Score	191
Exons	347..595		
GI Descrip.	THIOREDOXIN H-TYPE (TRX-H) (PHLOEM SAP 13 KD PROTEIN-1) gi|426442|dbj|BAA04864| (D21836) thioredoxin h [Oryza sativa] gi|454882|dbj|BAA05546.1| (D26547) rice thioredoxin h [Oryza sativa] gi|1930072 (U92541) thioredoxin h [Oryza sativa]		

Seq. No.	2201	Seq. ID	OJ990923_15.9C01.C9
Gene No.	4637	Strand	-
Start	427	End	595
Name	OJ990923_15.9C01.C9.o1.gp	Method	AAT/GAP
Start	427	End	595
GI	4968751	Score	207
Exons	427..595		
GI Descrip.	3915131/sp|Q42443|THIH_ORYSA 5.0e-52 THIOREDOXIN H-TYPE (TRX-H) (PHLOEM SAP 13 KD PROTEIN-1) >gi_426442_dbj_BAA04864_ (D21836) thioredoxin h [Oryza sativa] >gi_454882_dbj_BAA05546_ (D26547) rice thioredoxin h [Oryza sativa] >gi_1930072 (U92541)		

thioredoxin h [Oryza sativa]

Seq. No.	2201	Seq. ID	OJ990923_15.9C01.C9
Gene No.	4637	Strand	-
Start	427	End	595
Name	OJ990923_15.9C01.C9.o1.tc	Method	TBLASTX:Cress
Start	428	End	551
GI	none	Score	180
Exons	428..523, 429..551, 432..551		

Seq. No.	2201	Seq. ID	OJ990923_15.9C01.C9
Gene No.	4637	Strand	-
Start	427	End	595
Name	OJ990923_15.9C01.C9.o1.tm	Method	TBLASTX:Maize
Start	428	End	575
GI	none	Score	195
Exons	428..565, 429..575, 435..572		

Seq. No.	2201	Seq. ID	OJ990923_15.9C01.C9
Gene No.	4637	Strand	-
Start	427	End	595
Name	OJ990923_15.9C01.C9.o1.tw	Method	TBLASTX:Wheat
Start	428	End	551
GI	none	Score	119
Exons	428..550, 428..523, 429..551, 436..549		

Seq. No.	2201	Seq. ID	OJ990923_15.9C01.C9
Gene No.	4637	Strand	-
Start	427	End	595
Name	OJ990923_15.9C01.C9.o1.ts	Method	TBLASTX:Soybean
Start	429	End	551
GI	none	Score	183
Exons	429..551, 437..523, 439..543		

Seq. No.	2202	Seq. ID	OJ990923_11.9C01.C2
Gene No.	4638	Strand	-
Start	1	End	594
Name	OJ990923_11.9C01.C2.o1.np	Method	AAT/NAP
Start	1	End	594
GI	6539558	Score	862
Exons	1..594		
GI Descrip.	(AP000836) Similar to putative polyprotein (AC006248) [Oryza sativa]		

Seq. No.	2202	Seq. ID	OJ990923_11.9C01.C2
Gene No.	4638	Strand	-
Start	1	End	594
Name	OJ990923_11.9C01.C2.o1.tw	Method	TBLASTX:Wheat
Start	2	End	550
GI	none	Score	73
Exons	2..220, 206..550, 210..395		

Seq. No.	2202	Seq. ID	OJ990923_11.9C01.C2
Gene No.	4638	Strand	-
Start	1	End	594
Name	OJ990923_11.9C01.C2.o1.gs	Method	GENSCAN
Start	95	End	415

GI	none	Score	.53
Exons	95..415		

Seq. No.	2202	Seq. ID	OJ990923_11.9C01.C2
Gene No.	4638	Strand	-
Start	1	End	594
Name	OJ990923_11.9C01.C2.o1.tm	Method	TBLASTX:Maize
Start	107	End	550
GI	none	Score	81
Exons	107..550, 240..395, 242..535		

Seq. No.	2202	Seq. ID	OJ990923_11.9C01.C2
Gene No.	4638	Strand	-
Start	1	End	594
Name	OJ990923_11.9C01.C2.o1.ts	Method	TBLASTX:Soybean
Start	221	End	592
GI	5509260	Score	121
Exons	221..592, 240..404		
GI Descrip.	-		

Seq. No.	2202	Seq. ID	OJ990923_11.9C01.C2
Gene No.	4638	Strand	-
Start	1	End	594
Name	OJ990923_11.9C01.C2.o1.tc	Method	TBLASTX:Cress
Start	332	End	592
GI	none	Score	67
Exons	332..502, 332..592		

Seq. No.	2203	Seq. ID	OJ990923_11.9C01.C3
Gene No.	4639	Strand	-
Start	1	End	761
Name	OJ990923_11.9C01.C3.o1.np	Method	AAT/NAP
Start	1	End	761
GI	5295971	Score	1012
Exons	1..761		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	2203	Seq. ID	OJ990923_11.9C01.C3
Gene No.	4639	Strand	-
Start	1	End	761
Name	OJ990923_11.9C01.C3.o1.tm	Method	TBLASTX:Maize
Start	2	End	676
GI	none	Score	246
Exons	2..121, 3..245, 3..245, 4..261, 240..296, 246..317, 247..381, 260..379, 399..656, 403..660, 407..676, 417..665, 488..676		

Seq. No.	2203	Seq. ID	OJ990923_11.9C01.C3
Gene No.	4639	Strand	-
Start	1	End	761
Name	OJ990923_11.9C01.C3.o1.gs	Method	GENSCAN
Start	128	End	589
GI	none	Score	.92
Exons	128..589		

Seq. No.	2204	Seq. ID	OJ990923_11.9C01.C4

Gene No.	4640	Strand	-
Start	1	End	610
Name	OJ990923_11.9C01.C4.o1.np	Method	AAT/NAP
Start	1	End	610
GI	6539553	Score	1068
Exons	1..610		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	2204	Seq. ID	OJ990923_11.9C01.C4
Gene No.	4640	Strand	-
Start	1	End	610
Name	OJ990923_11.9C01.C4.o1.tw	Method	TBLASTX:Wheat
Start	2	End	586
GI	none	Score	56
Exons	2..79, 2..586, 84..578		

Seq. No.	2204	Seq. ID	OJ990923_11.9C01.C4
Gene No.	4640	Strand	-
Start	1	End	610
Name	OJ990923_11.9C01.C4.o1.tc	Method	TBLASTX:Cress
Start	212	End	601
GI	none	Score	112
Exons	212..406, 419..601		

Seq. No.	2204	Seq. ID	OJ990923_11.9C01.C4
Gene No.	4640	Strand	-
Start	1	End	610
Name	OJ990923_11.9C01.C4.o1.gs	Method	GENSCAN
Start	215	End	425
GI	none	Score	.57
Exons	215..425		

Seq. No.	2204	Seq. ID	OJ990923_11.9C01.C4
Gene No.	4640	Strand	-
Start	1	End	610
Name	OJ990923_11.9C01.C4.o1.tm	Method	TBLASTX:Maize
Start	236	End	607
GI	none	Score	78
Exons	236..403, 422..607, 456..605		

Seq. No.	2204	Seq. ID	OJ990923_11.9C01.C4
Gene No.	4640	Strand	-
Start	1	End	610
Name	OJ990923_11.9C01.C4.o1.ts	Method	TBLASTX:Soybean
Start	236	End	608
GI	none	Score	38
Exons	236..409, 363..401, 410..607, 456..608		

Seq. No.	2205	Seq. ID	OJ990923_11.9C01.C5
Gene No.	4641	Strand	+
Start	37	End	396
Name	OJ990923_11.9C01.C5.o1.gs	Method	GENSCAN
Start	37	End	396
GI	none	Score	.55

Exons	37..396		
Seq. No.	2205	Seq. ID	OJ990923_11.9C01.C5
Gene No.	4642	Strand	-
Start	1	End	444
Name	OJ990923_11.9C01.C5.o1.np	Method	AAT/NAP
Start	1	End	354
GI	6539553	Score	561
Exons	1..354		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	2205	Seq. ID	OJ990923_11.9C01.C5
Gene No.	4642	Strand	-
Start	1	End	444
Name	OJ990923_11.9C01.C5.o1.tm	Method	TBLASTX:Maize
Start	1	End	215
GI	none	Score	154
Exons	1..150, 3..158, 153..215		
Seq. No.	2205	Seq. ID	OJ990923_11.9C01.C5
Gene No.	4642	Strand	-
Start	1	End	444
Name	OJ990923_11.9C01.C5.o1.tw	Method	TBLASTX:Wheat
Start	63	End	444
GI	none	Score	84
Exons	63..158, 69..149, 133..174, 147..215, 147..197, 148..219, 155..217, 179..364, 181..444, 367..411		
Seq. No.	2206	Seq. ID	OJ990923_11.9C01.C6
Gene No.	4643	Strand	+
Start	305	End	455
Name	OJ990923_11.9C01.C6.o1.gs	Method	GENSCAN
Start	305	End	455
GI	none	Score	.6
Exons	305..455		
Seq. No.	2207	Seq. ID	OJ990923_11.9C01.C7
Gene No.	4644	Strand	+
Start	1	End	562
Name	OJ990923_11.9C01.C7.o1.np	Method	AAT/NAP
Start	1	End	562
GI	5732064	Score	215
Exons	1..562		
GI Descrip.	(AF147263) contains similarity to transposases [Arabidopsis thaliana]		
Seq. No.	2207	Seq. ID	OJ990923_11.9C01.C7
Gene No.	4644	Strand	+
Start	1	End	562
Name	OJ990923_11.9C01.C7.o1.tm	Method	TBLASTX:Maize
Start	96	End	524
GI	none	Score	236
Exons	96..524; 107..523		

Seq. No.	2207	Seq. ID	OJ990923_11.9C01.C7
Gene No.	4644	Strand	+
Start	1	End	562
Name	OJ990923_11.9C01.C7.o1.ts	Method	TBLASTX:Soybean
Start	96	End	533
GI	none	Score	181
Exons	96..533, 107..478		

Seq. No.	2207	Seq. ID	OJ990923_11.9C01.C7
Gene No.	4644	Strand	+
Start	1	End	562
Name	OJ990923_11.9C01.C7.o1.tw	Method	TBLASTX:Wheat
Start	96	End	433
GI	none	Score	47
Exons	96..140, 117..431, 122..433, 123..425, 317..433		

Seq. No.	2208	Seq. ID	OJ990923_11.9C01.C8
Gene No.	4645	Strand	+
Start	1	End	1054
Name	OJ990923_11.9C01.C8.o1.np	Method	AAT/NAP
Start	1	End	1007
GI	4680179	Score	717
Exons	1..24, 551..1007		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2208	Seq. ID	OJ990923_11.9C01.C8
Gene No.	4645	Strand	+
Start	1	End	1054
Name	OJ990923_11.9C01.C8.o1.gs	Method	GENSCAN
Start	611	End	1054
GI	none	Score	.96
Exons	611..1054		

Seq. No.	2208	Seq. ID	OJ990923_11.9C01.C8
Gene No.	4646	Strand	-
Start	1	End	120
Name	OJ990923_11.9C01.C8.o1.gp	Method	AAT/GAP
Start	1	End	120
GI	LIB3477-003-P1-K1-E9	Score	133
Exons	1..120		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	2208	Seq. ID	OJ990923_11.9C01.C8
Gene No.	4647	Strand	
Start	641	End	1003
Name	OJ990923_11.9C01.C8.o1.tw	Method	TBLASTX:Wheat
Start	641	End	1003
GI	none	Score	431
Exons	641..1003, 680..997, 718..1002		

Seq. No.	2208	Seq. ID	OJ990923_11.9C01.C8
Gene No.	4647	Strand	
Start	641	End	1003
Name	OJ990923_11.9C01.C8.o1.tm	Method	TBLASTX:Maize
Start	653	End	942

GI	none	Score	313
Exons	653..940, 712..942		

Seq. No.	2209	Seq. ID	OJ990923_11.9C01.C9
Gene No.	4648	Strand	+
Start	1	End	446
Name	OJ990923_11.9C01.C9.o1.np	Method	AAT/NAP
Start	1	End	446
GI	4680179	Score	326
Exons	1..39, 212..446		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2209	Seq. ID	OJ990923_11.9C01.C9
Gene No.	4648	Strand	+
Start	1	End	446
Name	OJ990923_11.9C01.C9.o1.tw	Method	TBLASTX:Wheat
Start	175	End	445
GI	none	Score	109
Exons	175..444, 180..422, 211..444,	212..445	

Seq. No.	2209	Seq. ID	OJ990923_11.9C01.C9
Gene No.	4648	Strand	+
Start	1	End	446
Name	OJ990923_11.9C01.C9.o1.gs	Method	GENSCAN
Start	227	End	316
GI	none	Score	.42
Exons	227..316		

Seq. No.	2209	Seq. ID	OJ990923_11.9C01.C9
Gene No.	4648	Strand	+
Start	1	End	446
Name	OJ990923_11.9C01.C9.o1.tm	Method	TBLASTX:Maize
Start	245	End	445
GI	none	Score	261
Exons	245..445, 253..438		

Seq. No.	2209	Seq. ID	OJ990923_11.9C01.C9
Gene No.	4648	Strand	+
Start	1	End	446
Name	OJ990923_11.9C01.C9.o1.ts	Method	TBLASTX:Soybean
Start	253	End	446
GI	none	Score	206
Exons	253..441, 254..445, 266..445,	327..446	

Seq. No.	2210	Seq. ID	OJ990923_11.9C01.C10
Gene No.	4649	Strand	-
Start	339	End	447
Name	OJ990923_11.9C01.C10.o1.gs	Method	GENSCAN
Start	339	End	447
GI	none	Score	.87
Exons	339..447		

Seq. No.	2211	Seq. ID	OJ990923_11.9C01.C11
Gene No.	4650	Strand	-
Start	26	End	485
Name	OJ990923_11.9C01.C11.o1.gs	Method	GENSCAN
Start	26	End	485

GI	none	Score	.99
Exons	26..485		
Seq. No.	2212	Seq. ID	OJ990923_11.9C01.C12
Gene No.	4651	Strand	+
Start	1	End	238
Name	OJ990923_11.9C01.C12.o1.np	Method	AAT/NAP
Start	1	End	238
GI	6522540	Score	198
Exons	1..238		
GI Descrip.	(AL132955) receptor-kinase like protein [Arabidopsis thaliana]		
Seq. No.	2212	Seq. ID	OJ990923_11.9C01.C12
Gene No.	4651	Strand	+
Start	1	End	238
Name	OJ990923_11.9C01.C12.o1.tc	Method	TBLASTX:Cress
Start	4	End	234
GI	none	Score	184
Exons	4..234		
Seq. No.	2213	Seq. ID	OJ990923_11.9C01.C19
Gene No.	4652	Strand	-
Start	172	End	1381
Name	OJ990923_11.9C01.C19.o1.np	Method	AAT/NAP
Start	172	End	1381
GI	5257279	Score	1148
Exons	172..980, 1095..1239, 1356..1381		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		
Seq. No.	2213	Seq. ID	OJ990923_11.9C01.C19
Gene No.	4652	Strand	-
Start	172	End	1381
Name	OJ990923_11.9C01.C19.o1.tm	Method	TBLASTX:Maize
Start	352	End	804
GI	none	Score	233
Exons	352..648, 356..649, 466..660, 578..649, 642..776, 646..804, 650..802		
Seq. No.	2213	Seq. ID	OJ990923_11.9C01.C19
Gene No.	4652	Strand	-
Start	172	End	1381
Name	OJ990923_11.9C01.C19.o1.tw	Method	TBLASTX:Wheat
Start	361	End	971
GI	none	Score	286
Exons	361..840, 362..820, 397..825, 819..971, 832..930		
Seq. No.	2213	Seq. ID	OJ990923_11.9C01.C19
Gene No.	4652	Strand	-
Start	172	End	1381
Name	OJ990923_11.9C01.C19.o1.gs	Method	GENSCAN
Start	493	End	1220
GI	none	Score	.72
Exons	493..774, 1131..1220		
Seq. No.	2213	Seq. ID	OJ990923_11.9C01.C19
Gene No.	4652	Strand	-

Start	172	End	1381
Name	OJ990923_11.9C01.C19.o2.tm	Method	TBLASTX:Maize
Start	855	End	1146
GI	none	Score	55
Exons	855..1145, 858..965, 859..1146		

Seq. No.	2213	Seq. ID	OJ990923_11.9C01.C19
Gene No.	4652	Strand	-
Start	172	End	1381
Name	OJ990923_11.9C01.C19.o1.ts	Method	TBLASTX:Soybean
Start	948	End	1194
GI	none	Score	118
Exons	948..1193, 949..1194		

Seq. No.	2213	Seq. ID	OJ990923_11.9C01.C19
Gene No.	4652	Strand	-
Start	172	End	1381
Name	OJ990923_11.9C01.C19.o2.tw	Method	TBLASTX:Wheat
Start	1002	End	1272
GI	none	Score	234
Exons	1002..1235, 1003..1272, 1003..1236, 1025..1267		

Seq. No.	2214	Seq. ID	OJ990923_11.9C01.C20
Gene No.	4653	Strand	+
Start	1	End	390
Name	OJ990923_11.9C01.C20.o1.np	Method	AAT/NAP
Start	1	End	390
GI	4680179	Score	311
Exons	1..48, 176..390		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2214	Seq. ID	OJ990923_11.9C01.C20
Gene No.	4653	Strand	+
Start	1	End	390
Name	OJ990923_11.9C01.C20.o1.tw	Method	TBLASTX:Wheat
Start	139	End	388
GI	none	Score	109
Exons	139..387, 144..386, 175..387, 176..388		

Seq. No.	2214	Seq. ID	OJ990923_11.9C01.C20
Gene No.	4653	Strand	+
Start	1	End	390
Name	OJ990923_11.9C01.C20.o1.gs	Method	GENSCAN
Start	191	End	280
GI	none	Score	.42
Exons	191..280		

Seq. No.	2214	Seq. ID	OJ990923_11.9C01.C20
Gene No.	4653	Strand	+
Start	1	End	390
Name	OJ990923_11.9C01.C20.o1.tm	Method	TBLASTX:Maize
Start	209	End	388
GI	none	Score	248
Exons	209..388, 217..381		

Seq. No.	2214	Seq. ID	OJ990923_11.9C01.C20
Gene No.	4653	Strand	+

Start	1	End	390
Name	OJ990923_11.9C01.C20.o1.ts	Method	TBLASTX:Soybean
Start	217	End	388
GI	none	Score	180
Exons	217..387, 218..388		

Seq. No.	2215	Seq. ID	OJ990923_11.9C01.C22
Gene No.	4654	Strand	-
Start	669	End	1072
Name	OJ990923_11.9C01.C22.o1.gs	Method	GENSCAN
Start	669	End	782
GI	none	Score	.8
Exons	669..782		

Seq. No.	2215	Seq. ID	OJ990923_11.9C01.C22
Gene No.	4654	Strand	-
Start	669	End	1072
Name	OJ990923_11.9C01.C22.o1.np	Method	AAT/NAP
Start	676	End	1072
GI	2316016	Score	294
Exons	676..782, 867..1072		
GI Descrip.	(U92650) MRP-like ABC transporter [Arabidopsis thaliana]		

Seq. No.	2215	Seq. ID	OJ990923_11.9C01.C22
Gene No.	4654	Strand	-
Start	669	End	1072
Name	OJ990923_11.9C01.C22.o1.tc	Method	TBLASTX:Cress
Start	691	End	1071
GI	none	Score	179
Exons	691..798, 865..1071, 866..1066, 877..1071		

Seq. No.	2215	Seq. ID	OJ990923_11.9C01.C22
Gene No.	4654	Strand	-
Start	669	End	1072
Name	OJ990923_11.9C01.C22.o1.ts	Method	TBLASTX:Soybean
Start	691	End	1072
GI	none	Score	66
Exons	691..798, 865..1071, 865..1071, 884..1072		

Seq. No.	2215	Seq. ID	OJ990923_11.9C01.C22
Gene No.	4654	Strand	-
Start	669	End	1072
Name	OJ990923_11.9C01.C22.o1.tm	Method	TBLASTX:Maize
Start	724	End	1072
GI	none	Score	46
Exons	724..798, 726..782, 748..795, 864..980, 865..1068, 865..1071, 866..1072		

Seq. No.	2216	Seq. ID	OJ990923_11.9C01.C26
Gene No.	4655	Strand	-
Start	265	End	1605
Name	OJ990923_11.9C01.C26.o1.gs	Method	GENSCAN
Start	265	End	1605
GI	none	Score	.81
Exons	265..405, 781..1605		

Seq. No.	2217	Seq. ID	OJ990923_11.9C01.C27

Gene No.	4656	Strand	-
Start	15	End	586
Name	OJ990923_11.9C01.C27.o1.gs	Method	GENSCAN
Start	15	End	586
GI	none	Score	.48
Exons	15..286, 476..586		

Seq. No.	2218	Seq. ID	OJ990923_11.9C01.C29
Gene No.	4657	Strand	+
Start	1873	End	3573
Name	OJ990923_11.9C01.C29.o2.tm	Method	TBLASTX:Maize
Start	1824	End	2781
GI	none	Score	68
Exons	1824..1922, 1836..1943, 1837..1935, 2558..2755, 2559..2669, 2565..2762, 2566..2781, 2567..2779		

Seq. No.	2218	Seq. ID	OJ990923_11.9C01.C29
Gene No.	4657	Strand	+
Start	1873	End	3573
Name	OJ990923_11.9C01.C29.o1.ts	Method	TBLASTX:Soybean
Start	1861	End	3157
GI	none	Score	60
Exons	1861..1935, 2549..2746, 2576..2776, 2626..2772, 2765..2851, 2794..2835, 2851..3156, 2852..3157		

Seq. No.	2218	Seq. ID	OJ990923_11.9C01.C29
Gene No.	4657	Strand	+
Start	1873	End	3573
Name	OJ990923_11.9C01.C29.o1.gs	Method	GENSCAN
Start	1873	End	3553
GI	none	Score	.95
Exons	1873..1934, 2566..3553		

Seq. No.	2218	Seq. ID	OJ990923_11.9C01.C29
Gene No.	4657	Strand	+
Start	1873	End	3573
Name	OJ990923_11.9C01.C29.o1.np	Method	AAT/NAP
Start	1873	End	3541
GI	4755196	Score	896
Exons	1873..1934, 2566..3541		
GI Descrip.	(AC007018) unknown protein [Arabidopsis thaliana]		

Seq. No.	2218	Seq. ID	OJ990923_11.9C01.C29
Gene No.	4657	Strand	+
Start	1873	End	3573
Name	OJ990923_11.9C01.C29.o1.gp	Method	AAT/GAP
Start	2580	End	2859
GI	3768354	Score	548
Exons	2580..2859		
GI Descrip.	4539369/emb|CAB40063.1| 1.0e-22 (AL049525) putative protein [Arabidopsis thaliana]		

Seq. No.	2218	Seq. ID	OJ990923_11.9C01.C29
Gene No.	4657	Strand	+
Start	1873	End	3573
Name	OJ990923_11.9C01.C29.o1.tm	Method	TBLASTX:Maize
Start	2937	End	3199

GI	none	Score	158
Exons	2937..3140, 2937..3194, 2938..3195, 2939..3199		
Seq. No.	2218	Seq. ID	OJ990923_11.9C01.C29
Gene No.	4657	Strand	+
Start	1873	End	3573
Name	OJ990923_11.9C01.C29.o2.ts	Method	TBLASTX:Soybean
Start	3244	End	3573
GI	none	Score	195
Exons	3244..3408, 3245..3409, 3406..3573, 3407..3538		
Seq. No.	2218	Seq. ID	OJ990923_11.9C01.C29
Gene No.	4657	Strand	+
Start	1873	End	3573
Name	OJ990923_11.9C01.C29.o3.tm	Method	TBLASTX:Maize
Start	3305	End	3541
GI	none	Score	77
Exons	3305..3379, 3307..3381, 3406..3525, 3407..3541		
Seq. No.	2219	Seq. ID	OJ990923_11.9C01.C30
Gene No.	4658	Strand	+
Start	3095	End	3935
Name	OJ990923_11.9C01.C30.o1.gp	Method	AAT/GAP
Start	2709	End	3135
GI	286549	Score	583
Exons	2709..2970, 3068..3135		
Seq. No.	2219	Seq. ID	OJ990923_11.9C01.C30
Gene No.	4658	Strand	+
Start	3095	End	3935
Name	OJ990923_11.9C01.C30.o2.gs	Method	GENSCAN
Start	3095	End	3935
GI	none	Score	.81
Exons	3095..3289, 3582..3935		
Seq. No.	2219	Seq. ID	OJ990923_11.9C01.C30
Gene No.	4658	Strand	+
Start	3095	End	3935
Name	OJ990923_11.9C01.C30.o2.gp	Method	AAT/GAP
Start	3114	End	3724
GI	59811_1.R1084	Score	560
Exons	3114..3289, 3372..3445, 3582..3724		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 4.0e-11 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		
Seq. No.	2219	Seq. ID	OJ990923_11.9C01.C30
Gene No.	4659	Strand	-
Start	499	End	2005
Name	OJ990923_11.9C01.C30.o1.gs	Method	GENSCAN
Start	499	End	2005
GI	none	Score	.8
Exons	499..644, 781..952, 957..1104, 1251..1280, 1482..1705, 1710..1919, 2003..2005		
Seq. No.	2220	Seq. ID	OJ990923_11.9C01.C32
Gene No.	4660	Strand	-

Start	1374	End	11375
Name	OJ990923_11.9C01.C32.o1.np	Method	AAT/NAP
Start	1125	End	6657
GI	2460203	Score	184
Exons	1125..1154, 1389..1870, 3042..3220, 3950..4023, 5251..5339, 6528..6657		
GI Descrip.	(AF021244) coronatine-induced protein 1 [Arabidopsis thaliana]		

Seq. No.	2220	Seq. ID	OJ990923_11.9C01.C32
Gene No.	4660	Strand	-
Start	1374	End	11375
Name	OJ990923_11.9C01.C32.o1.gs	Method	GENSCAN
Start	1374	End	9696
GI	none	Score	.61
Exons	1374..1661, 2421..2465, 3180..3394, 3537..3638, 3744..3804, 3822..3965, 4226..4325, 5251..5497, 6354..7295, 7346..7411, 7935..8302, 8848..8995, 9171..9696		

Seq. No.	2220	Seq. ID	OJ990923_11.9C01.C32
Gene No.	4660	Strand	-
Start	1374	End	11375
Name	OJ990923_11.9C01.C32.o4.tm	Method	TBLASTX:Maize
Start	1374	End	1631
GI	none	Score	53
Exons	1374..1466, 1375..1425, 1437..1592, 1494..1571, 1587..1631		

Seq. No.	2220	Seq. ID	OJ990923_11.9C01.C32
Gene No.	4660	Strand	-
Start	1374	End	11375
Name	OJ990923_11.9C01.C32.o5.tm	Method	TBLASTX:Maize
Start	3919	End	5425
GI	none	Score	98
Exons	3919..4023, 3936..4025, 3936..4022, 5227..5340, 5244..5339, 5287..5424, 5351..5425		

Seq. No.	2220	Seq. ID	OJ990923_11.9C01.C32
Gene No.	4660	Strand	-
Start	1374	End	11375
Name	OJ990923_11.9C01.C32.o3.np	Method	AAT/NAP
Start	6370	End	11375
GI	4680207	Score	1022
Exons	6370..8218, 8848..9719, 11338..11375		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	2220	Seq. ID	OJ990923_11.9C01.C32
Gene No.	4660	Strand	-
Start	1374	End	11375
Name	OJ990923_11.9C01.C32.o2.np	Method	AAT/NAP
Start	6374	End	11209
GI	4680207	Score	1024
Exons	6374..8218, 8848..9689, 11176..11209		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	2220	Seq. ID	OJ990923_11.9C01.C32
Gene No.	4660	Strand	-

Start	1374	End	11375
Name	OJ990923_11.9C01.C32.o1.ts	Method	TBLASTX:Soybean
Start	7036	End	8268
GI	none	Score	104
Exons	7036..7155, 7165..7350, 7501..8064, 7691..7897, 8179..8268		

Seq. No.	2220	Seq. ID	OJ990923_11.9C01.C32
Gene No.	4660	Strand	-
Start	1374	End	11375
Name	OJ990923_11.9C01.C32.o1.tw	Method	TBLASTX:Wheat
Start	7364	End	7797
GI	none	Score	181
Exons	7364..7474, 7372..7641, 7382..7642, 7493..7642, 7503..7748, 7672..7749, 7678..7746, 7741..7797		

Seq. No.	2220	Seq. ID	OJ990923_11.9C01.C32
Gene No.	4660	Strand	-
Start	1374	End	11375
Name	OJ990923_11.9C01.C32.o1.tm	Method	TBLASTX:Maize
Start	7573	End	8074
GI	none	Score	244
Exons	7573..7902, 7577..7900, 7929..7961, 7966..8058, 7979..8074		

Seq. No.	2220	Seq. ID	OJ990923_11.9C01.C32
Gene No.	4660	Strand	-
Start	1374	End	11375
Name	OJ990923_11.9C01.C32.o3.tw	Method	TBLASTX:Wheat
Start	7798	End	8087
GI	none	Score	122
Exons	7798..7962, 7799..7963, 7814..7963, 7978..8073, 7979..8065, 7980..8087		

Seq. No.	2220	Seq. ID	OJ990923_11.9C01.C32
Gene No.	4660	Strand	-
Start	1374	End	11375
Name	OJ990923_11.9C01.C32.o3.tm	Method	TBLASTX:Maize
Start	8152	End	8333
GI	none	Score	205
Exons	8152..8310, 8153..8311, 8163..8333		

Seq. No.	2220	Seq. ID	OJ990923_11.9C01.C32
Gene No.	4660	Strand	-
Start	1374	End	11375
Name	OJ990923_11.9C01.C32.o2.tm	Method	TBLASTX:Maize
Start	9148	End	9657
GI	none	Score	133
Exons	9148..9234, 9307..9381, 9409..9657, 9500..9634		

Seq. No.	2220	Seq. ID	OJ990923_11.9C01.C32
Gene No.	4660	Strand	-
Start	1374	End	11375
Name	OJ990923_11.9C01.C32.o2.tw	Method	TBLASTX:Wheat
Start	9463	End	9729
GI	none	Score	175
Exons	9463..9729, 9500..9697, 9616..9699		

Seq. No.	2221	Seq. ID	OJ990923_11.9C01.C33

Gene No.	4661	Strand	+
Start	1	End	2360
Name	OJ990923_11.9C01.C33.o1.np	Method	AAT/NAP
Start	1	End	2360
GI	2760331	Score	502
Exons	1..144, 1347..1912, 1998..2360		
GI Descrip.	(AC002130) F1N21.16 [Arabidopsis thaliana]		

Seq. No.	2221	Seq. ID	OJ990923_11.9C01.C33
Gene No.	4661	Strand	+
Start	1	End	2360
Name	OJ990923_11.9C01.C33.o1.tm	Method	TBLASTX:Maize
Start	71	End	2360
GI	none	Score	203
Exons	71..226, 71..202, 73..225, 1356..1442, 1357..1443, 2262..2360, 2275..2349		

Seq. No.	2221	Seq. ID	OJ990923_11.9C01.C33
Gene No.	4661	Strand	+
Start	1	End	2360
Name	OJ990923_11.9C01.C33.o1.gs	Method	GENSCAN
Start	193	End	1005
GI	none	Score	.64
Exons	193..432, 735..873, 955..1005		

Seq. No.	2222	Seq. ID	OJ990923_11.9C01.C34
Gene No.	4662	Strand	+
Start	1050	End	2625
Name	OJ990923_11.9C01.C34.o1.np	Method	AAT/NAP
Start	1050	End	2625
GI	6063554	Score	295
Exons	1050..1134, 1251..1481, 2432..2625		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2222	Seq. ID	OJ990923_11.9C01.C34
Gene No.	4663	Strand	-
Start	1027	End	2436
Name	OJ990923_11.9C01.C34.o1.gs	Method	GENSCAN
Start	1027	End	2436
GI	none	Score	.49
Exons	1027..1540, 1606..1711, 2358..2436		

Seq. No.	2222	Seq. ID	OJ990923_11.9C01.C34
Gene No.	4664	Strand	-
Start	3000	End	3277
Name	OJ990923_11.9C01.C34.o1.gp	Method	AAT/GAP
Start	3000	End	3277
GI	61605_3.R1084	Score	447
Exons	3000..3277		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	2223	Seq. ID	OJ990923_11.9C01.C35
Gene No.	4665	Strand	-
Start	93	End	2392

Name	OJ990923_11.9C01.C35.o1.gs	Method	GENSCAN
Start	93	End	2392
GI	none	Score	.87
Exons	93..294, 975..1072, 2302..2392		

Seq. No.	2224	Seq. ID	OJ990923_11.9C01.C36
Gene No.	4666	Strand	+
Start	1	End	2053
Name	OJ990923_11.9C01.C36.o1.np	Method	AAT/NAP
Start	1	End	2029
GI	5042447	Score	2395
Exons	1..2029		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	2224	Seq. ID	OJ990923_11.9C01.C36
Gene No.	4666	Strand	+
Start	1	End	2053
Name	OJ990923_11.9C01.C36.o1.gs	Method	GENSCAN
Start	230	End	2053
GI	none	Score	.76
Exons	230..700, 794..2053		

Seq. No.	2224	Seq. ID	OJ990923_11.9C01.C36
Gene No.	4667	Strand	+
Start	3076	End	3485
Name	OJ990923_11.9C01.C36.o2.tw	Method	TBLASTX:Wheat
Start	140	End	3480
GI	none	Score	305
Exons	140..523, 163..522, 3286..3480, 3309..3410, 3316..3465		

Seq. No.	2224	Seq. ID	OJ990923_11.9C01.C36
Gene No.	4667	Strand	+
Start	3076	End	3485
Name	OJ990923_11.9C01.C36.o2.tm	Method	TBLASTX:Maize
Start	404	End	733
GI	none	Score	202
Exons	404..733, 487..591		

Seq. No.	2224	Seq. ID	OJ990923_11.9C01.C36
Gene No.	4667	Strand	+
Start	3076	End	3485
Name	OJ990923_11.9C01.C36.o3.tm	Method	TBLASTX:Maize
Start	1058	End	1378
GI	none	Score	197
Exons	1058..1378, 1102..1203, 1106..1246		

Seq. No.	2224	Seq. ID	OJ990923_11.9C01.C36
Gene No.	4667	Strand	+
Start	3076	End	3485
Name	OJ990923_11.9C01.C36.o3.tw	Method	TBLASTX:Wheat
Start	1061	End	1465
GI	none	Score	150
Exons	1061..1288, 1096..1230, 1292..1465, 1325..1405, 1366..1434		

Seq. No.	2224	Seq. ID	OJ990923_11.9C01.C36
Gene No.	4667	Strand	+
Start	3076	End	3485

Name	OJ990923_11.9C01.C36.o1.tw	Method	TBLASTX:Wheat
Start	1640	End	2002
GI	none	Score	435
Exons	1640..2002, 1679..1996, 1744..2001		

Seq. No.	2224	Seq. ID	OJ990923_11.9C01.C36
Gene No.	4667	Strand	+
Start	3076	End	3485
Name	OJ990923_11.9C01.C36.o1.tm	Method	TBLASTX:Maize
Start	1652	End	1941
GI	none	Score	317
Exons	1652..1939, 1750..1941		

Seq. No.	2224	Seq. ID	OJ990923_11.9C01.C36
Gene No.	4667	Strand	+
Start	3076	End	3485
Name	OJ990923_11.9C01.C36.o2.gs	Method	GENSCAN
Start	3076	End	3470
GI	none	Score	.91
Exons	3076..3470		

Seq. No.	2224	Seq. ID	OJ990923_11.9C01.C36
Gene No.	4667	Strand	+
Start	3076	End	3485
Name	OJ990923_11.9C01.C36.o2.np	Method	AAT/NAP
Start	3076	End	3485
GI	5042447	Score	355
Exons	3076..3485		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	2225	Seq. ID	OJ990923_11.9C01.C37
Gene No.	4668	Strand	+
Start	2904	End	3210
Name	OJ990923_11.9C01.C37.o1.np	Method	AAT/NAP
Start	2904	End	3210
GI	6587849	Score	244
Exons	2904..3210		
GI Descrip.	(AC006551) Very similar to retrotransposon reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	2225	Seq. ID	OJ990923_11.9C01.C37
Gene No.	4669	Strand	-
Start	2403	End	3124
Name	OJ990923_11.9C01.C37.o1.gs	Method	GENSCAN
Start	2403	End	3124
GI	none	Score	.57
Exons	2403..2528, 3079..3124		

Seq. No.	2225	Seq. ID	OJ990923_11.9C01.C37
Gene No.	4669	Strand	-
Start	2403	End	3124
Name	OJ990923_11.9C01.C37.o1.tw	Method	TBLASTX:Wheat
Start	2912	End	3105
GI	none	Score	191
Exons	2912..3091, 2914..3105		

Seq. No.	2226	Seq. ID	OJ990923_11.9C01.C38

Gene No.	4670	Strand	+
Start	529	End	2245
Name	OJ990923_11.9C01.C38.o1.gs	Method	GENSCAN
Start	529	End	2245
GI	none	Score	.72
Exons	529..822, 877..1057, 1100..1222, 2235..2245		

Seq. No.	2226	Seq. ID	OJ990923_11.9C01.C38
Gene No.	4671	Strand	+
Start	2767	End	10624
Name	OJ990923_11.9C01.C38.o1.gp	Method	AAT/GAP
Start	2767	End	10515
GI	702381	Score	676
Exons	2767..2816, 9768..9905, 10001..10072, 10379..10515		

Seq. No.	2226	Seq. ID	OJ990923_11.9C01.C38
Gene No.	4671	Strand	+
Start	2767	End	10624
Name	OJ990923_11.9C01.C38.o2.np	Method	AAT/NAP
Start	9189	End	10624
GI	6630691	Score	94
Exons	9189..9219, 10435..10624		
GI Descrip.	(AP000969) ESTs AU082078(C53435), C28061(C53848) correspond to a region of the predicted gene.; Similar to PGP224. (AF049928) [Oryza sativa]		

Seq. No.	2226	Seq. ID	OJ990923_11.9C01.C38
Gene No.	4672	Strand	-
Start	4588	End	10515
Name	OJ990923_11.9C01.C38.o2.gs	Method	GENSCAN
Start	4588	End	10515
GI	none	Score	.62
Exons	4588..4615, 6748..6869, 9695..9894, 9927..10185, 10405..10515		

Seq. No.	2226	Seq. ID	OJ990923_11.9C01.C38
Gene No.	4672	Strand	-
Start	4588	End	10515
Name	OJ990923_11.9C01.C38.o1.np	Method	AAT/NAP
Start	7778	End	7862
GI	6721547	Score	88
Exons	7778..7862		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	2226	Seq. ID	OJ990923_11.9C01.C38
Gene No.	4673	Strand	-
Start	10897	End	11090
Name	OJ990923_11.9C01.C38.o1.tw	Method	TBLASTX:Wheat
Start	324	End	735
GI	none	Score	130
Exons	324..716, 328..531, 577..735		

Seq. No.	2226	Seq. ID	OJ990923_11.9C01.C38
Gene No.	4673	Strand	-
Start	10897	End	11090
Name	OJ990923_11.9C01.C38.o3.gs	Method	GENSCAN
Start	10897	End	11090
GI	none	Score	.94

Exons	10897..11090		
Seq. No.	2227	Seq. ID	OJ990923_11.9C01.C39
Gene No.	4674	Strand	+
Start	435	End	1092
Name	OJ990923_11.9C01.C39.o1.gs	Method	GENSCAN
Start	435	End	1092
GI	none	Score	.56
Exons	435..473, 966..1092		
Seq. No.	2227	Seq. ID	OJ990923_11.9C01.C39
Gene No.	4675	Strand	+
Start	6779	End	7686
Name	OJ990923_11.9C01.C39.o3.gs	Method	GENSCAN
Start	6779	End	7686
GI	none	Score	.7
Exons	6779..6829, 7129..7276, 7322..7686		
Seq. No.	2227	Seq. ID	OJ990923_11.9C01.C39
Gene No.	4676	Strand	-
Start	2691	End	5939
Name	OJ990923_11.9C01.C39.o2.gs	Method	GENSCAN
Start	2691	End	5939
GI	none	Score	.4
Exons	2691..3034, 3302..3637, 4285..4673, 4840..4868, 5931..5939		
Seq. No.	2227	Seq. ID	OJ990923_11.9C01.C39
Gene No.	4677	Strand	-
Start	8118	End	12174
Name	OJ990923_11.9C01.C39.o4.gs	Method	GENSCAN
Start	8118	End	12100
GI	none	Score	.98
Exons	8118..8360, 8421..8544, 8566..8713, 9531..9558, 10464..10664, 10773..10958, 11054..11191, 11804..11909, 12042..12100		
Seq. No.	2227	Seq. ID	OJ990923_11.9C01.C39
Gene No.	4677	Strand	-
Start	8118	End	12174
Name	OJ990923_11.9C01.C39.o1.gp	Method	AAT/GAP
Start	9254	End	12174
GI	857_1.R1084	Score	1946
Exons	9254..9558, 10464..10664, 10773..10958, 11054..11191, 11804..11909, 12042..12174		
GI Descrip.	'4079800 1.0e-124 (AF052503) S-phase-specific ribosomal protein [Oryza sativa]'		
Seq. No.	2227	Seq. ID	OJ990923_11.9C01.C39
Gene No.	4677	Strand	-
Start	8118	End	12174
Name	OJ990923_11.9C01.C39.o1.np	Method	AAT/NAP
Start	9466	End	12100
GI	4079800	Score	1149
Exons	9466..9558, 10464..10664, 10772..10958, 11054..11191, 11804..11909, 12042..12100		
GI Descrip.	(AF052503) S-phase-specific ribosomal protein [Oryza sativa]		
Seq. No.	2227	Seq. ID	OJ990923_11.9C01.C39

Gene No.	4677	Strand	-
Start	8118	End	12174
Name	OJ990923_11.9C01.C39.o1.tm	Method	TBLASTX:Maize
Start	9490	End	11912
GI	none	Score	65
Exons	9490..9561, 9511..9567, 10461..10667, 10461..10667, 10462..10677, 10767..10958, 10773..10958, 10774..10962, 10777..10959, 11049..11081, 11052..11096, 11054..11185, 11054..11188, 11793..11912, 11795..11911		

Seq. No.	2227	Seq. ID	OJ990923_11.9C01.C39
Gene No.	4677	Strand	-
Start	8118	End	12174
Name	OJ990923_11.9C01.C39.o1.ts	Method	TBLASTX:Soybean
Start	9511	End	11911
GI	none	Score	164
Exons	9511..9567, 10189..10272, 10354..10398, 10461..10676, 10461..10667, 10462..10677, 10767..10958, 10774..10959, 10780..10962, 10829..10963, 11040..11087, 11054..11185, 11054..11188, 11793..11906, 11795..11911, 11869..11907		

Seq. No.	2227	Seq. ID	OJ990923_11.9C01.C39
Gene No.	4677	Strand	-
Start	8118	End	12174
Name	OJ990923_11.9C01.C39.o1.tc	Method	TBLASTX:Cress
Start	10461	End	11911
GI	none	Score	132
Exons	10461..10667, 10461..10667, 10462..10677, 10767..10958, 10774..10962, 10777..10959, 11040..11087, 11054..11185, 11054..11188, 11793..11909, 11795..11911, 11795..11911		

Seq. No.	2227	Seq. ID	OJ990923_11.9C01.C39
Gene No.	4677	Strand	-
Start	8118	End	12174
Name	OJ990923_11.9C01.C39.o1.tw	Method	TBLASTX:Wheat
Start	10461	End	11911
GI	none	Score	172
Exons	10461..10538, 10462..10665, 10530..10580, 10581..10667, 10767..10958, 10774..10959, 10798..10962, 11040..11102, 11054..11182, 11054..11188, 11795..11911, 11801..11908		

Seq. No.	2228	Seq. ID	OJ990923_11.9C01.C40
Gene No.	4678	Strand	-
Start	1	End	1180
Name	OJ990923_11.9C01.C40.o1.np	Method	AAT/NAP
Start	1	End	1180
GI	6721512	Score	95
Exons	1..22, 881..1047, 1075..1180		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	2228	Seq. ID	OJ990923_11.9C01.C40
Gene No.	4679	Strand	-
Start	4874	End	7484
Name	OJ990923_11.9C01.C40.o2.np	Method	AAT/NAP
Start	4874	End	7484
GI	5257279	Score	2240
Exons	4874..5979, 6220..6590, 6939..7484		

GI Descrip. (AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]

Seq. No.	2228	Seq. ID	OJ990923_11.9C01.C40
Gene No.	4680	Strand	-
Start	8297	End	8816
Name	OJ990923_11.9C01.C40.o3.tw	Method	TBLASTX:Wheat
Start	2718	End	3116
GI	none	Score	244
Exons	2718..3116, 2732..2770, 2843..2986		

Seq. No.	2228	Seq. ID	OJ990923_11.9C01.C40
Gene No.	4680	Strand	-
Start	8297	End	8816
Name	OJ990923_11.9C01.C40.o2.tw	Method	TBLASTX:Wheat
Start	3699	End	4315
GI	none	Score	144
Exons	3699..3881, 3707..3808, 3918..4154, 3920..4036, 3930..4139, 4079..4144, 4256..4315		

Seq. No.	2228	Seq. ID	OJ990923_11.9C01.C40
Gene No.	4680	Strand	-
Start	8297	End	8816
Name	OJ990923_11.9C01.C40.o1.tw	Method	TBLASTX:Wheat
Start	4346	End	4798
GI	none	Score	373
Exons	4346..4663, 4347..4664, 4347..4664, 4670..4798, 4671..4787		

Seq. No.	2228	Seq. ID	OJ990923_11.9C01.C40
Gene No.	4680	Strand	-
Start	8297	End	8816
Name	OJ990923_11.9C01.C40.o1.tm	Method	TBLASTX:Maize
Start	4476	End	4829
GI	none	Score	243
Exons	4476..4670, 4520..4672, 4530..4670, 4538..4735, 4671..4829		

Seq. No.	2228	Seq. ID	OJ990923_11.9C01.C40
Gene No.	4680	Strand	-
Start	8297	End	8816
Name	OJ990923_11.9C01.C40.o4.tw	Method	TBLASTX:Wheat
Start	4935	End	5313
GI	none	Score	66
Exons	4935..5057, 4936..5046, 4941..5093, 5091..5312, 5154..5312, 5191..5313		

Seq. No.	2228	Seq. ID	OJ990923_11.9C01.C40
Gene No.	4680	Strand	-
Start	8297	End	8816
Name	OJ990923_11.9C01.C40.o2.tm	Method	TBLASTX:Maize
Start	4995	End	5318
GI	none	Score	53
Exons	4995..5057, 4995..5318, 5170..5271		

Seq. No.	2228	Seq. ID	OJ990923_11.9C01.C40
Gene No.	4680	Strand	-
Start	8297	End	8816
Name	OJ990923_11.9C01.C40.o2.gp	Method	AAT/GAP

Start	8297	End	8816
GI	LIB3434-038-P1-K1-F1	Score	774
Exons	8297..8816		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	2229	Seq. ID	OJ990923_11.9C01.C41
Gene No.	4681	Strand	+
Start	186	End	737
Name	OJ990923_11.9C01.C41.o1.gs	Method	GENSCAN
Start	186	End	737
GI	none	Score	.87
Exons	186..343, 725..737		

Seq. No.	2229	Seq. ID	OJ990923_11.9C01.C41
Gene No.	4682	Strand	+
Start	1339	End	2940
Name	OJ990923_11.9C01.C41.o2.np	Method	AAT/NAP
Start	1339	End	2940
GI	6815053	Score	494
Exons	1339..1388, 2477..2654, 2704..2940		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	2229	Seq. ID	OJ990923_11.9C01.C41
Gene No.	4683	Strand	-
Start	936	End	4566
Name	OJ990923_11.9C01.C41.o3.tm	Method	TBLASTX:Maize
Start	903	End	1149
GI	none	Score	62
Exons	903..1148, 1021..1149		

Seq. No.	2229	Seq. ID	OJ990923_11.9C01.C41
Gene No.	4683	Strand	-
Start	936	End	4566
Name	OJ990923_11.9C01.C41.o2.gs	Method	GENSCAN
Start	936	End	3789
GI	none	Score	.69
Exons	936..1631, 2059..2167, 2539..2651, 3775..3789		

Seq. No.	2229	Seq. ID	OJ990923_11.9C01.C41
Gene No.	4683	Strand	-
Start	936	End	4566
Name	OJ990923_11.9C01.C41.o1.np	Method	AAT/NAP
Start	945	End	4566
GI	4539660	Score	1526
Exons	945..2199, 4543..4566		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	2229	Seq. ID	OJ990923_11.9C01.C41
Gene No.	4683	Strand	-
Start	936	End	4566
Name	OJ990923_11.9C01.C41.o2.tw	Method	TBLASTX:Wheat
Start	957	End	1290
GI	none	Score	88
Exons	957..1289, 1066..1290		

Seq. No.	2229	Seq. ID	OJ990923_11.9C01.C41

Gene No.	4683	Strand	-
Start	936	End	4566
Name	OJ990923_11.9C01.C41.o1.tm	Method	TBLASTX:Maize
Start	1149	End	1732
GI	none	Score	65
Exons	1149..1367, 1149..1577, 1150..1578, 1395..1730, 1436..1732		

Seq. No.	2229	Seq. ID	OJ990923_11.9C01.C41
Gene No.	4683	Strand	-
Start	936	End	4566
Name	OJ990923_11.9C01.C41.o1.tw	Method	TBLASTX:Wheat
Start	1290	End	1899
GI	none	Score	220
Exons	1290..1643, 1291..1620, 1547..1753, 1619..1768, 1747..1899, 1760..1858		

Seq. No.	2229	Seq. ID	OJ990923_11.9C01.C41
Gene No.	4683	Strand	-
Start	936	End	4566
Name	OJ990923_11.9C01.C41.o2.tm	Method	TBLASTX:Maize
Start	1783	End	2075
GI	none	Score	216
Exons	1783..2073, 1787..2074, 1935..2075		

Seq. No.	2229	Seq. ID	OJ990923_11.9C01.C41
Gene No.	4683	Strand	-
Start	936	End	4566
Name	OJ990923_11.9C01.C41.o1.ts	Method	TBLASTX:Soybean
Start	1876	End	2122
GI	none	Score	118
Exons	1876..2121, 1877..2122		

Seq. No.	2229	Seq. ID	OJ990923_11.9C01.C41
Gene No.	4683	Strand	-
Start	936	End	4566
Name	OJ990923_11.9C01.C41.o3.tw	Method	TBLASTX:Wheat
Start	1930	End	2200
GI	none	Score	234
Exons	1930..2163, 1931..2200, 1931..2164, 1953..2195		

Seq. No.	2230	Seq. ID	OJ990923_11.9C01.C42
Gene No.	4684	Strand	-
Start	1	End	1457
Name	OJ990923_11.9C01.C42.o1.np	Method	AAT/NAP
Start	1	End	114
GI	6721561	Score	88
Exons	1..114		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2230	Seq. ID	OJ990923_11.9C01.C42
Gene No.	4684	Strand	-
Start	1	End	1457
Name	OJ990923_11.9C01.C42.o2.np	Method	AAT/NAP

Start	1	End	1038
GI	6721558	Score	118
Exons	1..89, 175..313, 947..1038		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	2230	Seq. ID	OJ990923_11.9C01.C42
Gene No.	4684	Strand	-
Start	1	End	1457
Name	OJ990923_11.9C01.C42.o3.np	Method	AAT/NAP
Start	1	End	1457
GI	6907089	Score	221
Exons	1..51, 393..654, 1099..1457		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	2230	Seq. ID	OJ990923_11.9C01.C42
Gene No.	4684	Strand	-
Start	1	End	1457
Name	OJ990923_11.9C01.C42.o1.gs	Method	GENSCAN
Start	181	End	1290
GI	none	Score	.69
Exons	181..305, 499..542, 1186..1290		

Seq. No.	2231	Seq. ID	OJ990923_11.9C01.C44
Gene No.	4685	Strand	+
Start	1143	End	1905
Name	OJ990923_11.9C01.C44.o1.gs	Method	GENSCAN
Start	1143	End	1905
GI	none	Score	.42
Exons	1143..1347, 1389..1599, 1789..1905		

Seq. No.	2231	Seq. ID	OJ990923_11.9C01.C44
Gene No.	4686	Strand	-
Start	110	End	3857
Name	OJ990923_11.9C01.C44.o1.np	Method	AAT/NAP
Start	110	End	3432
GI	6721512	Score	102
Exons	110..135, 1594..1698, 1726..1838, 3374..3432		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	2231	Seq. ID	OJ990923_11.9C01.C44
Gene No.	4686	Strand	-
Start	110	End	3857
Name	OJ990923_11.9C01.C44.o2.gs	Method	GENSCAN
Start	2896	End	3857
GI	none	Score	.44
Exons	2896..3042, 3326..3472, 3483..3857		

Seq. No.	2232	Seq. ID	OJ990923_11.9C01.C45
Gene No.	4687	Strand	-
Start	210	End	2367
Name	OJ990923_11.9C01.C45.o1.np	Method	AAT/NAP
Start	210	End	2367
GI	5917666	Score	123
Exons	210..779, 1487..1808, 1941..2367		
GI Descrip.	(AF159297) extensin-like protein [Zea mays]		

Seq. No.	2233	Seq. ID	OJ990923_11.9C01.C46
Gene No.	4688	Strand	-
Start	273	End	1535
Name	OJ990923_11.9C01.C46.o1.gs	Method	GENSCAN
Start	273	End	1535
GI	none	Score	.76
Exons	273..1535		

Seq. No.	2234	Seq. ID	OJ990923_11.9C01.C48
Gene No.	4689	Strand	-
Start	906	End	2545
Name	OJ990923_11.9C01.C48.o1.gs	Method	GENSCAN
Start	906	End	1595
GI	none	Score	.45
Exons	906..1595		

Seq. No.	2234	Seq. ID	OJ990923_11.9C01.C48
Gene No.	4689	Strand	-
Start	906	End	2545
Name	OJ990923_11.9C01.C48.o1.np	Method	AAT/NAP
Start	909	End	2545
GI	6723392	Score	852
Exons	909..1619, 2445..2545		
GI Descrip.	(AL132956) pectinesterase-like protein [Arabidopsis thaliana]		

Seq. No.	2234	Seq. ID	OJ990923_11.9C01.C48
Gene No.	4689	Strand	-
Start	906	End	2545
Name	OJ990923_11.9C01.C48.o1.tc	Method	TBLASTX:Cress
Start	913	End	1620
GI	none	Score	39
Exons	913..1017, 936..1208, 1069..1212, 1269..1619, 1282..1428, 1456..1482, 1549..1620		

Seq. No.	2234	Seq. ID	OJ990923_11.9C01.C48
Gene No.	4689	Strand	-
Start	906	End	2545
Name	OJ990923_11.9C01.C48.o1.ts	Method	TBLASTX:Soybean
Start	933	End	1620
GI	none	Score	78
Exons	933..1208, 1102..1206, 1269..1619, 1285..1620		

Seq. No.	2234	Seq. ID	OJ990923_11.9C01.C48
Gene No.	4689	Strand	-
Start	906	End	2545
Name	OJ990923_11.9C01.C48.o1.tm	Method	TBLASTX:Maize
Start	936	End	1619
GI	none	Score	61
Exons	936..1001, 937..1002, 1002..1208, 1117..1206, 1269..1619, 1273..1491, 1549..1617		

Seq. No.	2234	Seq. ID	OJ990923_11.9C01.C48
Gene No.	4689	Strand	-
Start	906	End	2545
Name	OJ990923_11.9C01.C48.o1.tw	Method	TBLASTX:Wheat
Start	1149	End	1578

GI	none	Score	60
Exons	1149..1208, 1150..1206, 1269..1574, 1282..1578		

Seq. No.	2235	Seq. ID	OJ990923_11.9C01.C49
Gene No.	4690	Strand	+
Start	4156	End	4694
Name	OJ990923_11.9C01.C49.o2.gs	Method	GENSCAN
Start	4156	End	4694
GI	none	Score	.94
Exons	4156..4694		

Seq. No.	2235	Seq. ID	OJ990923_11.9C01.C49
Gene No.	4691	Strand	-
Start	1	End	943
Name	OJ990923_11.9C01.C49.o1.np	Method	AAT/NAP
Start	1	End	681
GI	6723392	Score	383
Exons	1..681		
GI Descrip.	(AL132956) pectinesterase-like protein [Arabidopsis thaliana]		

Seq. No.	2235	Seq. ID	OJ990923_11.9C01.C49
Gene No.	4691	Strand	-
Start	1	End	943
Name	OJ990923_11.9C01.C49.o1.tc	Method	TBLASTX:Cress
Start	2	End	233
GI	none	Score	118
Exons	2..121, 12..122, 116..232, 117..233		

Seq. No.	2235	Seq. ID	OJ990923_11.9C01.C49
Gene No.	4691	Strand	-
Start	1	End	943
Name	OJ990923_11.9C01.C49.o1.ts	Method	TBLASTX:Soybean
Start	2	End	238
GI	none	Score	198
Exons	2..238, 6..230		

Seq. No.	2235	Seq. ID	OJ990923_11.9C01.C49
Gene No.	4691	Strand	-
Start	1	End	943
Name	OJ990923_11.9C01.C49.o1.gs	Method	GENSCAN
Start	12	End	943
GI	none	Score	1
Exons	12..943		

Seq. No.	2236	Seq. ID	OJ990923_11.9C01.C50
Gene No.	4692	Strand	+
Start	15	End	3120
Name	OJ990923_11.9C01.C50.o1.gp	Method	AAT/GAP
Start	15	End	412
GI	3763520	Score	746
Exons	15..412		

Seq. No.	2236	Seq. ID	OJ990923_11.9C01.C50
Gene No.	4692	Strand	+
Start	15	End	3120
Name	OJ990923_11.9C01.C50.o1.gs	Method	GENSCAN
Start	136	End	810

GI	none	Score	.83
Exons	136..810		

Seq. No.	2236	Seq. ID	OJ990923_11.9C01.C50
Gene No.	4692	Strand	+
Start	15	End	3120
Name	OJ990923_11.9C01.C50.o2.gp	Method	AAT/GAP
Start	542	End	3120
GI	85013_1.R1084	Score	1033
Exons	542..841, 2863..3120		
GI Descrip.	'6063530/dbj|AP000615.1|AP000615 2.0e-15 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01'		

Seq. No.	2236	Seq. ID	OJ990923_11.9C01.C50
Gene No.	4693	Strand	-
Start	2846	End	3931
Name	OJ990923_11.9C01.C50.o1.tm	Method	TBLASTX:Maize
Start	603	End	810
GI	none	Score	206
Exons	603..809, 607..810, 619..810		

Seq. No.	2236	Seq. ID	OJ990923_11.9C01.C50
Gene No.	4693	Strand	-
Start	2846	End	3931
Name	OJ990923_11.9C01.C50.o2.gs	Method	GENSCAN
Start	2846	End	3931
GI	none	Score	.8
Exons	2846..3019, 3800..3931		

Seq. No.	2237	Seq. ID	OJ990923_11.9C01.C51
Gene No.	4694	Strand	+
Start	1267	End	1633
Name	OJ990923_11.9C01.C51.o1.gs	Method	GENSCAN
Start	1267	End	1633
GI	none	Score	.71
Exons	1267..1379, 1492..1633		

Seq. No.	2238	Seq. ID	OJ990923_11.9C01.C53
Gene No.	4695	Strand	+
Start	305	End	591
Name	OJ990923_11.9C01.C53.o1.gp	Method	AAT/GAP
Start	231	End	591
GI	857_1.R1084	Score	386
Exons	231..363, 496..591		
GI Descrip.	'4079800 1.0e-124 (AF052503) S-phase-specific ribosomal protein [Oryza sativa]'		

Seq. No.	2238	Seq. ID	OJ990923_11.9C01.C53
Gene No.	4695	Strand	+
Start	305	End	591
Name	OJ990923_11.9C01.C53.o1.gs	Method	GENSCAN
Start	305	End	577
GI	none	Score	.95
Exons	305..363, 496..577		

Seq. No.	2238	Seq. ID	OJ990923_11.9C01.C53
Gene No.	4695	Strand	+

Start	305	End	591
Name	OJ990923_11.9C01.C53.o1.np	Method	AAT/NAP
Start	305	End	591
GI	4506723	Score	166
Exons	305..363, 496..591		
GI Descrip.	ribosomal protein S3A gi|1350985|sp|P49241|RS3A_HUMAN 40S RIBOSOMAL PROTEIN S3A gi|2136122|pir||JC4662 ribosomal protein S3a - human gi|182775 (M84711) v-fos transformation effector protein [Homo sapiens] gi|292447 (M77234) ribosomal protein S3a [Homo sapiens] gi|854179|emb|CAA60827| (X87373) ribosomal protein S3a [Homo sapiens]		

Seq. No.	2239	Seq. ID	OJ990923_11.9C01.C55
Gene No.	4696	Strand	+
Start	326	End	414
Name	OJ990923_11.9C01.C55.o1.gs	Method	GENSCAN
Start	326	End	414
GI	none	Score	.94
Exons	326..414		

Seq. No.	2239	Seq. ID	OJ990923_11.9C01.C55
Gene No.	4697	Strand	-
Start	1	End	428
Name	OJ990923_11.9C01.C55.o1.np	Method	AAT/NAP
Start	1	End	428
GI	6723392	Score	90
Exons	1..26, 321..428		
GI Descrip.	(AL132956) pectinesterase-like protein [Arabidopsis thaliana]		

Seq. No.	2240	Seq. ID	OJ990923_11.9C01.C56
Gene No.	4698	Strand	-
Start	183	End	244
Name	OJ990923_11.9C01.C56.o1.gs	Method	GENSCAN
Start	183	End	244
GI	none	Score	.87
Exons	183..244		

Seq. No.	2241	Seq. ID	OJ990923_11.9C01.C57
Gene No.	4699	Strand	-
Start	309	End	324
Name	OJ990923_11.9C01.C57.o1.gs	Method	GENSCAN
Start	309	End	324
GI	none	Score	.71
Exons	309..324		

Seq. No.	2242	Seq. ID	OJ990923_11.9C01.C59
Gene No.	4700	Strand	-
Start	240	End	405
Name	OJ990923_11.9C01.C59.o1.gs	Method	GENSCAN
Start	240	End	405
GI	none	Score	.99
Exons	240..405		

Seq. No.	2243	Seq. ID	OJ990903_11.9C01.C1
Gene No.	4701	Strand	+
Start	79	End	599
Name	OJ990903_11.9C01.C1.o1.gs	Method	GENSCAN

Start	79	End	599
GI	none	Score	.9
Exons	79..139, 457..599		

Seq. No.	2244	Seq. ID	OJ990903_11.9C01.C2
Gene No.	4702	Strand	+
Start	6149	End	6652
Name	OJ990903_11.9C01.C2.o2.gs	Method	GENSCAN
Start	6149	End	6652
GI	none	Score	1
Exons	6149..6652		

Seq. No.	2244	Seq. ID	OJ990903_11.9C01.C2
Gene No.	4703	Strand	-
Start	1	End	4414
Name	OJ990903_11.9C01.C2.o1.np	Method	AAT/NAP
Start	1	End	2797
GI	6815052	Score	600
Exons	1..90, 735..827, 1721..1821, 2118..2235, 2488..2562, 2644..2797		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	2244	Seq. ID	OJ990903_11.9C01.C2
Gene No.	4703	Strand	-
Start	1	End	4414
Name	OJ990903_11.9C01.C2.o1.gs	Method	GENSCAN
Start	504	End	4414
GI	none	Score	.57
Exons	504..608, 2019..2113, 2118..2235, 2644..2809, 2829..2924, 3005..3115, 3398..3733, 3813..4022, 4136..4414		

Seq. No.	2244	Seq. ID	OJ990903_11.9C01.C2
Gene No.	4704	Strand	-
Start	5821	End	7008
Name	OJ990903_11.9C01.C2.o2.np	Method	AAT/NAP
Start	5821	End	7008
GI	5852178	Score	344
Exons	5821..5915, 6278..6410, 6441..6643, 6936..7008		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	2244	Seq. ID	OJ990903_11.9C01.C2
Gene No.	4705	Strand	-
Start	7505	End	8413
Name	OJ990903_11.9C01.C2.o3.gs	Method	GENSCAN
Start	7505	End	8413
GI	none	Score	.58
Exons	7505..8085, 8125..8266, 8363..8413		

Seq. No.	2245	Seq. ID	OJ990903_11.9C01.C4
Gene No.	4706	Strand	+
Start	1033	End	6651
Name	OJ990903_11.9C01.C4.o1.np	Method	AAT/NAP
Start	1033	End	4549
GI	6721512	Score	105
Exons	1033..1049, 2720..2826, 2854..3033, 4530..4549		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	2245	Seq. ID	OJ990903_11.9C01.C4

Gene No.	4706	Strand	+
Start	1033	End	6651
Name	OJ990903_11.9C01.C4.o1.gs	Method	GENSCAN
Start	1574	End	2261
GI	none	Score	.72
Exons	1574..1749, 2162..2261		

Seq. No.	2245	Seq. ID	OJ990903_11.9C01.C4
Gene No.	4706	Strand	+
Start	1033	End	6651
Name	OJ990903_11.9C01.C4.o2.np	Method	AAT/NAP
Start	3677	End	6326
GI	6721558	Score	243
Exons	3677..3776, 4400..4524, 5559..5698, 6280..6326		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	2245	Seq. ID	OJ990903_11.9C01.C4
Gene No.	4706	Strand	+
Start	1033	End	6651
Name	OJ990903_11.9C01.C4.o3.gs	Method	GENSCAN
Start	3677	End	6651
GI	none	Score	.92
Exons	3677..4310, 4400..4476, 4592..4780, 4850..4908, 5083..5724, 5890..6035, 6146..6651		

Seq. No.	2245	Seq. ID	OJ990903_11.9C01.C4
Gene No.	4706	Strand	+
Start	1033	End	6651
Name	OJ990903_11.9C01.C4.o3.np	Method	AAT/NAP
Start	4324	End	5752
GI	6721561	Score	1069
Exons	4324..4368, 4568..4780, 4850..4908, 4989..5752		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2245	Seq. ID	OJ990903_11.9C01.C4
Gene No.	4707	Strand	-
Start	2693	End	3489
Name	OJ990903_11.9C01.C4.o2.gs	Method	GENSCAN
Start	2693	End	3489
GI	none	Score	.67
Exons	2693..2763, 2945..3173, 3256..3489		

Seq. No.	2246	Seq. ID	OJ990903_11.9C01.C5
Gene No.	4708	Strand	+
Start	437	End	2230
Name	OJ990903_11.9C01.C5.o2.np	Method	AAT/NAP
Start	437	End	2230
GI	6721516	Score	281
Exons	437..524, 1840..2230		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	2246	Seq. ID	OJ990903_11.9C01.C5
Gene No.	4709	Strand	-
Start	318	End	2230
Name	OJ990903_11.9C01.C5.o1.np	Method	AAT/NAP
Start	217	End	2230
GI	6498441	Score	905
Exons	217..498, 592..1359, 1999..2230		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	2246	Seq. ID	OJ990903_11.9C01.C5
Gene No.	4709	Strand	-
Start	318	End	2230
Name	OJ990903_11.9C01.C5.o1.tw	Method	TBLASTX:Wheat
Start	226	End	834
GI	none	Score	73
Exons	226..357, 227..352, 385..834, 578..685, 731..820		

Seq. No.	2246	Seq. ID	OJ990903_11.9C01.C5
Gene No.	4709	Strand	-
Start	318	End	2230
Name	OJ990903_11.9C01.C5.o2.tm	Method	TBLASTX:Maize
Start	262	End	513
GI	none	Score	55
Exons	262..345, 296..355, 340..459, 346..513		

Seq. No.	2246	Seq. ID	OJ990903_11.9C01.C5
Gene No.	4709	Strand	-
Start	318	End	2230
Name	OJ990903_11.9C01.C5.o1.gs	Method	GENSCAN
Start	318	End	1466
GI	none	Score	.57
Exons	318..596, 658..893, 1123..1466		

Seq. No.	2246	Seq. ID	OJ990903_11.9C01.C5
Gene No.	4709	Strand	-
Start	318	End	2230
Name	OJ990903_11.9C01.C5.o2.tw	Method	TBLASTX:Wheat
Start	872	End	1245
GI	none	Score	182
Exons	872..1237, 907..1245		

Seq. No.	2246	Seq. ID	OJ990903_11.9C01.C5
Gene No.	4709	Strand	-
Start	318	End	2230
Name	OJ990903_11.9C01.C5.o1.tm	Method	TBLASTX:Maize
Start	940	End	1248
GI	none	Score	187
Exons	940..1248, 941..1228		

Seq. No.	2247	Seq. ID	OJ990903_11.9C01.C6
Gene No.	4710	Strand	+
Start	1	End	2406
Name	OJ990903_11.9C01.C6.o1.np	Method	AAT/NAP
Start	1	End	2406
GI	6721516	Score	577

Exons	1..262, 670..914, 2372..2406		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	2247	Seq. ID	OJ990903_11.9C01.C6
Gene No.	4711	Strand	-
Start	1	End	3767
Name	OJ990903_11.9C01.C6.o2.np	Method	AAT/NAP
Start	1	End	3767
GI	5902445	Score	690
Exons	1..19, 1346..2273, 3747..3767		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	2247	Seq. ID	OJ990903_11.9C01.C6
Gene No.	4711	Strand	-
Start	1	End	3767
Name	OJ990903_11.9C01.C6.o1.tw	Method	TBLASTX:Wheat
Start	1570	End	1996
GI	none	Score	91
Exons	1570..1743, 1751..1996, 1753..1989		
Seq. No.	2247	Seq. ID	OJ990903_11.9C01.C6
Gene No.	4711	Strand	-
Start	1	End	3767
Name	OJ990903_11.9C01.C6.o2.tw	Method	TBLASTX:Wheat
Start	2018	End	2272
GI	none	Score	70
Exons	2018..2272, 2058..2255		
Seq. No.	2247	Seq. ID	OJ990903_11.9C01.C6
Gene No.	4711	Strand	-
Start	1	End	3767
Name	OJ990903_11.9C01.C6.o1.gp	Method	AAT/GAP
Start	2388	End	2562
GI	LIB3433-026-P1-K1-C1	Score	233
Exons	2388..2562		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	2247	Seq. ID	OJ990903_11.9C01.C6
Gene No.	4711	Strand	-
Start	1	End	3767
Name	OJ990903_11.9C01.C6.o3.np	Method	AAT/NAP
Start	2942	End	3767
GI	6063554	Score	136
Exons	2942..3118, 3740..3767		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	2248	Seq. ID	OJ990903_11.9C01.C7
Gene No.	4712	Strand	+
Start	111	End	626
Name	OJ990903_11.9C01.C7.o1.gs	Method	GENSCAN
Start	111	End	626
GI	none	Score	.94
Exons	111..441, 500..626		

Seq. No.	2249	Seq. ID	OJ990903_11.9C01.C8
Gene No.	4713	Strand	-
Start	214	End	845
Name	OJ990903_11.9C01.C8.o1.tw	Method	TBLASTX:Wheat
Start	85	End	621
GI	none	Score	109
Exons	85..339, 89..196, 103..228, 397..561, 407..508, 533..619, 547..621		

Seq. No.	2249	Seq. ID	OJ990903_11.9C01.C8
Gene No.	4713	Strand	-
Start	214	End	845
Name	OJ990903_11.9C01.C8.o1.gs	Method	GENSCAN
Start	214	End	627
GI	none	Score	.95
Exons	214..627		

Seq. No.	2249	Seq. ID	OJ990903_11.9C01.C8
Gene No.	4713	Strand	-
Start	214	End	845
Name	OJ990903_11.9C01.C8.o1.np	Method	AAT/NAP
Start	217	End	845
GI	5902444	Score	263
Exons	217..690, 811..845		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	2250	Seq. ID	OJ990903_11.9C01.C9
Gene No.	4714	Strand	+
Start	1	End	721
Name	OJ990903_11.9C01.C9.o1.np	Method	AAT/NAP
Start	1	End	721
GI	6815052	Score	665
Exons	1..363, 442..721		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	2250	Seq. ID	OJ990903_11.9C01.C9
Gene No.	4715	Strand	+
Start	981	End	1286
Name	OJ990903_11.9C01.C9.o1.gs	Method	GENSCAN
Start	981	End	1286
GI	none	Score	1
Exons	981..1286		

Seq. No.	2251	Seq. ID	OJ990903_11.9C01.C10
Gene No.	4716	Strand	+
Start	166	End	547
Name	OJ990903_11.9C01.C10.o1.gp	Method	AAT/GAP
Start	166	End	547
GI	uC-osflcyp033a04b1	Score	691
Exons	166..547		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	2251	Seq. ID	OJ990903_11.9C01.C10
Gene No.	4717	Strand	-
Start	96	End	1412
Name	OJ990903_11.9C01.C10.o1.gs	Method	GENSCAN

Start	96	End	748
GI	none	Score	.54
Exons	96..299, 623..748		

Seq. No.	2251	Seq. ID	OJ990903_11.9C01.C10
Gene No.	4717	Strand	-
Start	96	End	1412
Name	OJ990903_11.9C01.C10.o1.np	Method	AAT/NAP
Start	99	End	1412
GI	4680186	Score	360
Exons	99..299, 1137..1412		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	2252	Seq. ID	OJ990903_11.9C01.C11
Gene No.	4718	Strand	-
Start	115	End	206
Name	OJ990903_11.9C01.C11.o1.gs	Method	GENSCAN
Start	115	End	206
GI	none	Score	.58
Exons	115..206		

Seq. No.	2253	Seq. ID	OJ990903_11.9C01.C12
Gene No.	4719	Strand	-
Start	63	End	182
Name	OJ990903_11.9C01.C12.o1.gs	Method	GENSCAN
Start	63	End	182
GI	none	Score	.52
Exons	63..182		

Seq. No.	2254	Seq. ID	OJ990903_11.9C01.C13
Gene No.	4720	Strand	-
Start	592	End	1989
Name	OJ990903_11.9C01.C13.o1.np	Method	AAT/NAP
Start	592	End	1989
GI	6063554	Score	109
Exons	592..766, 1719..1989		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2255	Seq. ID	OJ990903_11.9C01.C14
Gene No.	4721	Strand	-
Start	177	End	607
Name	OJ990903_11.9C01.C14.o1.gs	Method	GENSCAN
Start	177	End	607
GI	none	Score	.98
Exons	177..607		

Seq. No.	2256	Seq. ID	OJ990903_11.9C01.C15
Gene No.	4722	Strand	
Start	1772	End	2110
Name	OJ990903_11.9C01.C15.o1.ts	Method	TBLASTX:Soybean
Start	1772	End	2110
GI	none	Score	200
Exons	1772..2110		

Seq. No.	2257	Seq. ID	OJ990903_11.9C01.C16

Gene No.	4723	Strand	+
Start	112	End	1110
Name	OJ990903_11.9C01.C16.o1.gs	Method	GENSCAN
Start	112	End	1110
GI	none	Score	.91
Exons	112..1110		

Seq. No.	2257	Seq. ID	OJ990903_11.9C01.C16
Gene No.	4723	Strand	+
Start	112	End	1110
Name	OJ990903_11.9C01.C16.o1.ts	Method	TBLASTX:Soybean
Start	349	End	761
GI	none	Score	136
Exons	349..486, 351..482, 507..761, 508..759		

Seq. No.	2257	Seq. ID	OJ990903_11.9C01.C16
Gene No.	4723	Strand	+
Start	112	End	1110
Name	OJ990903_11.9C01.C16.o1.tw	Method	TBLASTX:Wheat
Start	394	End	792
GI	none	Score	79
Exons	394..483, 523..792, 534..599, 621..770		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4724	Strand	+
Start	1	End	712
Name	OJ990903_11.9C01.C17.o1.np	Method	AAT/NAP
Start	1	End	712
GI	629693	Score	169
Exons	1..463, 668..712		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4725	Strand	+
Start	16122	End	24468
Name	OJ990903_11.9C01.C17.o3.gs	Method	GENSCAN
Start	16122	End	21119
GI	none	Score	.41
Exons	16122..16279, 16285..16648, 16734..16900, 18060..18164, 19127..19408, 19888..20094, 20209..20331, 20537..21119		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4725	Strand	+
Start	16122	End	24468
Name	OJ990903_11.9C01.C17.o3.np	Method	AAT/NAP
Start	16142	End	24468
GI	6721512	Score	104
Exons	16142..16652, 17085..17329, 18077..18164, 18207..18246, 24297..24468		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4725	Strand	+
Start	16122	End	24468
Name	OJ990903_11.9C01.C17.o3.gp	Method	AAT/GAP
Start	19731	End	20052

GI	3061127	Score	631
Exons	19731..20052		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4725	Strand	+
Start	16122	End	24468
Name	OJ990903_11.9C01.C17.o4.np	Method	AAT/NAP
Start	19949	End	20950
GI	6523057	Score	436
Exons	19949..20094, 20209..20331, 20450..20611, 20714..20950		
GI Descrip.	(AL133314) putative protein [Arabidopsis thaliana]		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4725	Strand	+
Start	16122	End	24468
Name	OJ990903_11.9C01.C17.o4.gp	Method	AAT/GAP
Start	20176	End	21634
GI	19190_1.R1084	Score	2814
Exons	20176..21634		
GI Descrip.	'5922603/dbj|AP000492.1|AP000492 3.0e-11 Oryza sativa genomic DNA, chromosome 1, clone:P0705D01'		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4725	Strand	+
Start	16122	End	24468
Name	OJ990903_11.9C01.C17.o4.gs	Method	GENSCAN
Start	22029	End	23856
GI	none	Score	.47
Exons	22029..22083, 22312..22367, 22805..23002, 23806..23856		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4725	Strand	+
Start	16122	End	24468
Name	OJ990903_11.9C01.C17.o5.np	Method	AAT/NAP
Start	22727	End	24366
GI	6539588	Score	114
Exons	22727..23015, 24312..24366		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4726	Strand	+
Start	28224	End	28574
Name	OJ990903_11.9C01.C17.o6.gp	Method	AAT/GAP
Start	28224	End	28574
GI	2442807	Score	415
Exons	28224..28253, 28362..28574		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4727	Strand	+
Start	29205	End	30180
Name	OJ990903_11.9C01.C17.o6.gs	Method	GENSCAN
Start	29205	End	30180
GI	none	Score	.83
Exons	29205..29339, 29692..29727, 30010..30180		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4728	Strand	+

Start	41940	End	42586
Name	OJ990903_11.9C01.C17.o9.gs	Method	GENSCAN
Start	41940	End	42586
GI	none	Score	.67
Exons	41940..41999, 42023..42304, 42404..42586		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4729	Strand	+
Start	45074	End	46391
Name	OJ990903_11.9C01.C17.o10.gs	Method	GENSCAN
Start	45074	End	46391
GI	none	Score	.72
Exons	45074..45121, 45354..45510, 46276..46391		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4730	Strand	+
Start	47563	End	47946
Name	OJ990903_11.9C01.C17.o9.gp	Method	AAT/GAP
Start	47563	End	47946
GI	uC-osf1M202020f02b1	Score	720
Exons	47563..47946		
GI Descrip.	'3236242 8.0e-15 (AC004684) putative ribosomal protein L36 [Arabidopsis thaliana]'		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4731	Strand	+
Start	48023	End	51174
Name	OJ990903_11.9C01.C17.o7.np	Method	AAT/NAP
Start	47996	End	51174
GI	6708472	Score	550
Exons	47996..48166, 49286..49345, 49700..49757, 50163..50257, 50343..50446, 50999..51174		
GI Descrip.	(AF214117) putative c-myb-like transcription factor [Arabidopsis thaliana]		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4731	Strand	+
Start	48023	End	51174
Name	OJ990903_11.9C01.C17.o11.gs	Method	GENSCAN
Start	48023	End	51127
GI	none	Score	.7
Exons	48023..48183, 50182..50287, 50343..50446, 50999..51127		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4731	Strand	+
Start	48023	End	51174
Name	OJ990903_11.9C01.C17.o10.gp	Method	AAT/GAP
Start	50409	End	51174
GI	uC-osf1cyp037e12b1	Score	308
Exons	50409..50446, 50999..51174		
GI Descrip.	'2129953/pir||JC5229 3.0e-39 laccase (EC 1.10.3.2) - common tobacco >gi_1685087 (U43542) diphenol oxidase [Nicotiana tabacum]'		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4732	Strand	-
Start	844	End	5142

Name	OJ990903_11.9C01.C17.o1.gs	Method	GENSCAN
Start	844	End	5142
GI	none	Score	.74
Exons	844..1139, 1219..1528, 1608..1691, 2007..2348, 2429..3718, 3998..4142, 4465..4555, 4983..5142		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4733	Strand	-
Start	8037	End	14452
Name	OJ990903_11.9C01.C17.o1.gp	Method	AAT/GAP
Start	7970	End	10435
GI	2311261	Score	739
Exons	7970..8060, 8870..9075, 10128..10255, 10389..10435		
GI Descrip.	3236242 8.0e-15 (AC004684) putative ribosomal protein L36 [Arabidopsis thaliana]		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4733	Strand	-
Start	8037	End	14452
Name	OJ990903_11.9C01.C17.o2.gs	Method	GENSCAN
Start	8037	End	14452
GI	none	Score	.8
Exons	8037..8067, 8876..9075, 10127..10255, 10389..10445, 11833..11943, 14067..14207, 14330..14452		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4733	Strand	-
Start	8037	End	14452
Name	OJ990903_11.9C01.C17.o2.np	Method	AAT/NAP
Start	8839	End	10228
GI	3236242	Score	359
Exons	8839..9075, 10127..10228		
GI Descrip.	(AC004684) 60S ribosomal protein L36 [Arabidopsis thaliana]		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4733	Strand	-
Start	8037	End	14452
Name	OJ990903_11.9C01.C17.o2.gp	Method	AAT/GAP
Start	13747	End	14050
GI	none	Score	550
Exons	13747..14050		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4734	Strand	-
Start	27593	End	28979
Name	OJ990903_11.9C01.C17.o5.gs	Method	GENSCAN
Start	27593	End	28979
GI	none	Score	.67
Exons	27593..27621, 27797..28979		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4734	Strand	-
Start	27593	End	28979
Name	OJ990903_11.9C01.C17.o7.gp	Method	AAT/GAP
Start	28786	End	28936
GI	LIB3479-011-Q6-K1-B9	Score	221
Exons	28786..28936		

GI Descrip.	'130951/sp|P17048|PRO2_ORYSA 2.0e-12 13 KD PROLAMIN PRECURSOR >gi_100697_pir__S09249 13K prolamin precursor - rice >gi_20292_emb_CAA32565_ (X14392) preprolamin (AA -19 to 137) [Oryza sativa] >gi_1587669_prf__2207199A prolamin [Oryza sativa]'		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4735	Strand	-
Start	30707	End	35655
Name	OJ990903_11.9C01.C17.o6.np	Method	AAT/NAP
Start	30707	End	35626
GI	3785977	Score	1840
Exons	30707..30872, 31008..31198, 31272..31439, 31548..31715, 31858..32062, 32195..32392, 32733..32821, 32944..33011, 33890..33955, 35238..35626		
GI Descrip.	(AC005560) similar to axi 1 protein from Nicotiana tabacum [Arabidopsis thaliana]		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4735	Strand	-
Start	30707	End	35655
Name	OJ990903_11.9C01.C17.o7.gs	Method	GENSCAN
Start	31036	End	35655
GI	none	Score	.69
Exons	31036..31125, 31272..31316, 31548..31715, 31858..32062, 32195..32392, 32733..32821, 35242..35655		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4735	Strand	-
Start	30707	End	35655
Name	OJ990903_11.9C01.C17.o8.gp	Method	AAT/GAP
Start	31407	End	32246
GI	uC-osf1M202050g05b1	Score	841
Exons	31407..31439, 31548..31715, 31858..32062, 32195..32246		
GI Descrip.	'3785977 2.0e-58 (AC005560) putative growth regulator protein [Arabidopsis thaliana]'		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4736	Strand	-
Start	38075	End	40475
Name	OJ990903_11.9C01.C17.o2.tw	Method	TBLASTX:Wheat
Start	39	End	445
GI	none	Score	183
Exons	39..374, 365..445		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4736	Strand	-
Start	38075	End	40475
Name	OJ990903_11.9C01.C17.o8.ts	Method	TBLASTX:Soybean
Start	222	End	471
GI	none	Score	171
Exons	222..374, 222..356, 236..364, 365..466, 433..471		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4736	Strand	-
Start	38075	End	40475
Name	OJ990903_11.9C01.C17.o3.tm	Method	TBLASTX:Maize

Start	8873	End	10232
GI	none	Score	248
Exons	8873..9067, 8875..9075, 8876..9076, 10127..10228, 10128..10232		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4736	Strand	-
Start	38075	End	40475
Name	OJ990903_11.9C01.C17.o1.tw	Method	TBLASTX:Wheat
Start	8875	End	10286
GI	none	Score	237
Exons	8875..9075, 8876..9076, 8934..9077, 10127..10267, 10128..10286		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4736	Strand	-
Start	38075	End	40475
Name	OJ990903_11.9C01.C17.o5.ts	Method	TBLASTX:Soybean
Start	8875	End	10232
GI	none	Score	211
Exons	8875..9075, 8876..9076, 8876..9076, 10122..10232, 10127..10228		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4736	Strand	-
Start	38075	End	40475
Name	OJ990903_11.9C01.C17.o4.tc	Method	TBLASTX:Cress
Start	8875	End	10228
GI	none	Score	175
Exons	8875..9075, 8876..9076, 10122..10220, 10127..10228		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4736	Strand	-
Start	38075	End	40475
Name	OJ990903_11.9C01.C17.o5.tc	Method	TBLASTX:Cress
Start	20000	End	20534
GI	none	Score	101
Exons	20000..20095, 20210..20332, 20448..20534		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4736	Strand	-
Start	38075	End	40475
Name	OJ990903_11.9C01.C17.o4.tm	Method	TBLASTX:Maize
Start	20002	End	20606
GI	none	Score	145
Exons	20002..20094, 20003..20095, 20003..20095, 20209..20352, 20210..20332, 20212..20346, 20478..20606, 20519..20605, 20529..20606		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4736	Strand	-
Start	38075	End	40475
Name	OJ990903_11.9C01.C17.o6.ts	Method	TBLASTX:Soybean
Start	20003	End	20849
GI	none	Score	104
Exons	20003..20095, 20005..20094, 20209..20301, 20210..20299, 20448..20612, 20525..20626, 20688..20849		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4736	Strand	-

Start	38075	End	40475
Name	OJ990903_11.9C01.C17.o3.ts	Method	TBLASTX:Soybean
Start	28015	End	28263
GI	none	Score	203
Exons	28015..28206, 28017..28208, 28210..28263, 28224..28262		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4736	Strand	-
Start	38075	End	40475
Name	OJ990903_11.9C01.C17.o1.tm	Method	TBLASTX:Maize
Start	28018	End	28380
GI	none	Score	309
Exons	28018..28380, 28020..28379		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4736	Strand	-
Start	38075	End	40475
Name	OJ990903_11.9C01.C17.o5.tm	Method	TBLASTX:Maize
Start	28585	End	28862
GI	none	Score	87
Exons	28585..28641, 28587..28637, 28630..28662, 28635..28697, 28668..28703, 28740..28853, 28744..28818, 28821..28862		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4736	Strand	-
Start	38075	End	40475
Name	OJ990903_11.9C01.C17.o2.ts	Method	TBLASTX:Soybean
Start	30725	End	31308
GI	none	Score	138
Exons	30725..30868, 30726..30869, 31013..31201, 31017..31199, 31049..31201, 31260..31307, 31273..31308		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4736	Strand	-
Start	38075	End	40475
Name	OJ990903_11.9C01.C17.o2.tc	Method	TBLASTX:Cress
Start	31007	End	31215
GI	none	Score	199
Exons	31007..31201, 31008..31199, 31009..31200, 31009..31215		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4736	Strand	-
Start	38075	End	40475
Name	OJ990903_11.9C01.C17.o2.tm	Method	TBLASTX:Maize
Start	31139	End	31628
GI	none	Score	76
Exons	31139..31201, 31140..31199, 31141..31215, 31215..31439, 31273..31440, 31273..31440, 31274..31441, 31545..31622, 31545..31628, 31546..31623		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4736	Strand	-
Start	38075	End	40475
Name	OJ990903_11.9C01.C17.o1.tc	Method	TBLASTX:Cress
Start	31268	End	32085
GI	none	Score	186
Exons	31268..31444, 31269..31445, 31270..31455, 31270..31458,		

31543..31623, 31545..31754, 31545..31754, 31628..31756,
31843..32085, 31844..32065, 31857..32075

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4736	Strand	-
Start	38075	End	40475
Name	OJ990903_11.9C01.C17.o1.ts	Method	TBLASTX:Soybean
Start	31348	End	31999
GI	none	Score	86
Exons	31348..31440, 31350..31439, 31545..31718, 31546..31623, 31559..31729, 31560..31742, 31839..31922, 31853..31999, 31858..31995		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4736	Strand	-
Start	38075	End	40475
Name	OJ990903_11.9C01.C17.o7.tm	Method	TBLASTX:Maize
Start	32265	End	33006
GI	none	Score	101
Exons	32265..32369, 32266..32394, 32266..32394, 32300..32395, 32733..32822, 32734..32823, 32738..32821, 32941..33006, 32944..33006		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4736	Strand	-
Start	38075	End	40475
Name	OJ990903_11.9C01.C17.o7.ts	Method	TBLASTX:Soybean
Start	32338	End	35472
GI	none	Score	96
Exons	32338..32394, 32733..32819, 32733..32819, 32734..32820, 32738..32821, 32942..33016, 32944..33012, 32945..33022, 33882..33959, 35248..35424, 35297..35416, 35350..35472		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4736	Strand	-
Start	38075	End	40475
Name	OJ990903_11.9C01.C17.o8.gs	Method	GENSCAN
Start	38075	End	40475
GI	none	Score	.91
Exons	38075..38238, 40412..40475		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4737	Strand	
Start	42080	End	43113
Name	OJ990903_11.9C01.C17.o3.tc	Method	TBLASTX:Cress
Start	42080	End	43113
GI	none	Score	103
Exons	42080..42253, 42083..42229, 42134..42241, 42623..42700, 42747..42992, 42751..43023, 42781..43023, 43030..43113		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4737	Strand	
Start	42080	End	43113
Name	OJ990903_11.9C01.C17.o6.tm	Method	TBLASTX:Maize
Start	42116	End	42960
GI	none	Score	67
Exons	42116..42229, 42759..42827, 42760..42834, 42760..42834,		

42825..42959, 42844..42960

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4738	Strand	
Start	49292	End	51159
Name	OJ990903_11.9C01.C17.o4.ts	Method	TBLASTX:Soybean
Start	49292	End	51159
GI	none	Score	88
Exons	49292..49354, 49672..49755, 49691..49756, 50155..50259, 50161..50259, 50162..50257, 50162..50257, 50171..50272, 50185..50259, 50328..50447, 50341..50460, 50342..50443, 50997..51089, 50997..51128, 50999..51127, 51031..51159, 51093..51128		

Seq. No.	2258	Seq. ID	OJ990903_11.9C01.C17
Gene No.	4738	Strand	
Start	49292	End	51159
Name	OJ990903_11.9C01.C17.o6.tc	Method	TBLASTX:Cress
Start	50174	End	51133
GI	none	Score	73
Exons	50174..50257, 50340..50423, 50346..50447, 50346..50447, 50354..50449, 50981..51127, 50997..51128, 51032..51133, 51034..51129		

Seq. No.	2259	Seq. ID	OJ990903_11.9C01.C18
Gene No.	4739	Strand	+
Start	45	End	892
Name	OJ990903_11.9C01.C18.o1.gs	Method	GENSCAN
Start	45	End	892
GI	none	Score	.98
Exons	45..892		

Seq. No.	2259	Seq. ID	OJ990903_11.9C01.C18
Gene No.	4739	Strand	+
Start	45	End	892
Name	OJ990903_11.9C01.C18.o1.gp	Method	AAT/GAP
Start	533	End	772
GI	2797152	Score	459
Exons	533..772		

Seq. No.	2259	Seq. ID	OJ990903_11.9C01.C18
Gene No.	4740	Strand	+
Start	2093	End	10380
Name	OJ990903_11.9C01.C18.o2.gs	Method	GENSCAN
Start	2093	End	10153
GI	none	Score	.69
Exons	2093..2107, 2298..2433, 2571..2676, 2694..2760, 2796..2871, 2983..3106, 3513..3597, 3914..4046, 4550..4644, 4820..4898, 5043..5125, 6242..6368, 7045..7207, 8867..9123, 9214..9279, 9398..9536, 9834..9975, 10100..10153		

Seq. No.	2259	Seq. ID	OJ990903_11.9C01.C18
Gene No.	4740	Strand	+
Start	2093	End	10380
Name	OJ990903_11.9C01.C18.o3.gp	Method	AAT/GAP
Start	2508	End	5685
GI	22230_1.R1084	Score	2174

Exons	2508..2676, 2796..2871, 2983..3106, 3513..3597, 3914..4046, 4550..4644, 4820..4898, 5043..5125, 5343..5685		
GI Descrip.	'1351270/sp|P48494|TPIS_ORYSA 1.0e-105 TRIOSEPHOSPHATE ISOMERASE, CYTOSOLIC (TIM) >gi_478410_pir__JQ2255 triose-phosphate isomerase (EC 5.3.1.1) - rice >gi_169821 (M87064) triosephosphate isomerase [Oryza sativa]'		

Seq. No.	2259	Seq. ID	OJ990903_11.9C01.C18
Gene No.	4740	Strand	+
Start	2093	End	10380
Name	OJ990903_11.9C01.C18.o1.np	Method	AAT/NAP
Start	2638	End	5390
GI	1351279	Score	852
Exons	2638..2676, 2796..2871, 2983..3106, 3513..3597, 3914..4046, 4550..4644, 4820..4898, 5043..5125, 5343..5390		
GI Descrip.	TRIOSEPHOSPHATE ISOMERASE, CYTOSOLIC (TIM) gi|602590|emb|CAA58230| (X83227) triosephosphate isomerase [Petunia x hybrida]		

Seq. No.	2259	Seq. ID	OJ990903_11.9C01.C18
Gene No.	4740	Strand	+
Start	2093	End	10380
Name	OJ990903_11.9C01.C18.o4.gp	Method	AAT/GAP
Start	8918	End	10380
GI	1046_1.R1084	Score	1554
Exons	8918..9123, 9214..9279, 9398..9536, 9834..9975, 10100..10380		
GI Descrip.	'2920837 4.0e-89 (U95135) Os-FIERG1 gene product [Oryza sativa]'		

Seq. No.	2259	Seq. ID	OJ990903_11.9C01.C18
Gene No.	4740	Strand	+
Start	2093	End	10380
Name	OJ990903_11.9C01.C18.o2.np	Method	AAT/NAP
Start	9045	End	10150
GI	2920837	Score	697
Exons	9045..9123, 9214..9279, 9398..9536, 9834..9975, 10100..10150		
GI Descrip.	(U95135) Os-FIERG1 gene product [Oryza sativa]		

Seq. No.	2259	Seq. ID	OJ990903_11.9C01.C18
Gene No.	4741	Strand	-
Start	1257	End	1538
Name	OJ990903_11.9C01.C18.o2.gp	Method	AAT/GAP
Start	1257	End	1538
GI	none	Score	451
Exons	1257..1538		

Seq. No.	2259	Seq. ID	OJ990903_11.9C01.C18
Gene No.	4742	Strand	-
Start	11774	End	12994
Name	OJ990903_11.9C01.C18.o3.tm	Method	TBLASTX:Maize
Start	479	End	894
GI	none	Score	102
Exons	479..610, 480..548, 481..612, 596..781, 598..798, 599..640, 627..785, 628..792, 854..892, 865..894		

Seq. No.	2259	Seq. ID	OJ990903_11.9C01.C18
Gene No.	4742	Strand	-
Start	11774	End	12994

Name	OJ990903_11.9C01.C18.o1.tm	Method	TBLASTX:Maize
Start	2635	End	5390
GI	none	Score	79
Exons	2635..2676, 2635..2685, 2796..2891, 2798..2845, 2808..2870, 2981..3106, 2982..3104, 2982..3110, 3043..3105, 3510..3596, 3510..3596, 3511..3597, 3512..3625, 3860..4042, 3914..4045, 3916..4044, 4517..4600, 4546..4647, 4548..4646, 4811..4897, 4819..4899, 4819..4899, 4820..4900, 5038..5124, 5041..5133, 5042..5137, 5337..5390, 5337..5384, 5342..5386		

Seq. No.	2259	Seq. ID	OJ990903_11.9C01.C18
Gene No.	4742	Strand	-
Start	11774	End	12994
Name	OJ990903_11.9C01.C18.o1.tc	Method	TBLASTX:Cress
Start	2640	End	5393
GI	none	Score	73
Exons	2640..2675, 2641..2676, 2796..2891, 2798..2845, 2981..3106, 2982..3104, 3510..3596, 3511..3597, 3848..4042, 3899..4069, 3913..4044, 4542..4640, 4546..4647, 4561..4647, 4820..4900, 5041..5133, 5042..5137, 5337..5393		

Seq. No.	2259	Seq. ID	OJ990903_11.9C01.C18
Gene No.	4742	Strand	-
Start	11774	End	12994
Name	OJ990903_11.9C01.C18.o1.ts	Method	TBLASTX:Soybean
Start	2644	End	5137
GI	none	Score	69
Exons	2644..2676, 2796..2891, 2981..3106, 2982..3104, 2985..3110, 3510..3596, 3511..3597, 3842..4048, 3863..4057, 3886..4050, 4548..4646, 4552..4647, 4820..4900, 5017..5133, 5041..5133, 5042..5137, 5042..5134		

Seq. No.	2259	Seq. ID	OJ990903_11.9C01.C18
Gene No.	4742	Strand	-
Start	11774	End	12994
Name	OJ990903_11.9C01.C18.o2.tw	Method	TBLASTX:Wheat
Start	2644	End	3083
GI	none	Score	63
Exons	2644..2676, 2796..2891, 2981..3082, 2982..3083		

Seq. No.	2259	Seq. ID	OJ990903_11.9C01.C18
Gene No.	4742	Strand	-
Start	11774	End	12994
Name	OJ990903_11.9C01.C18.o1.tw	Method	TBLASTX:Wheat
Start	8966	End	9503
GI	none	Score	101
Exons	8966..9121, 9036..9128, 9051..9122, 9064..9150, 9065..9151, 9212..9280, 9212..9277, 9213..9284, 9397..9501, 9397..9486, 9402..9503		

Seq. No.	2259	Seq. ID	OJ990903_11.9C01.C18
Gene No.	4742	Strand	-
Start	11774	End	12994
Name	OJ990903_11.9C01.C18.o2.tm	Method	TBLASTX:Maize
Start	9011	End	9909
GI	none	Score	99
Exons	9011..9112, 9036..9122, 9042..9119, 9216..9284, 9221..9274,		

9223..9279, 9396..9536, 9397..9537, 9397..9486, 9402..9536, 9485..9538, 9817..9909

Seq. No.	2259	Seq. ID	OJ990903_11.9C01.C18
Gene No.	4742	Strand	-
Start	11774	End	12994
Name	OJ990903_11.9C01.C18.o6.gp	Method	AAT/GAP
Start	11774	End	12994
GI	3683_1.R1084	Score	1413
Exons	11774..12548, 12964..12994		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 2.0e-45 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	2259	Seq. ID	OJ990903_11.9C01.C18
Gene No.	4742	Strand	-
Start	11774	End	12994
Name	OJ990903_11.9C01.C18.o3.gs	Method	GENSCAN
Start	12426	End	12548
GI	none	Score	.9
Exons	12426..12548		

Seq. No.	2260	Seq. ID	OJ990903_11.9C01.C19
Gene No.	4743	Strand	-
Start	263	End	3771
Name	OJ990903_11.9C01.C19.o1.gp	Method	AAT/GAP
Start	263	End	870
GI	3683_1.R1084	Score	595
Exons	263..487, 702..870		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 2.0e-45 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	2260	Seq. ID	OJ990903_11.9C01.C19
Gene No.	4743	Strand	-
Start	263	End	3771
Name	OJ990903_11.9C01.C19.o1.gs	Method	GENSCAN
Start	263	End	3380
GI	none	Score	.89
Exons	263..487, 702..1097, 1736..1931, 1975..2124, 2202..2308, 2371..2478, 2738..2920, 3162..3380		

Seq. No.	2260	Seq. ID	OJ990903_11.9C01.C19
Gene No.	4743	Strand	-
Start	263	End	3771
Name	OJ990903_11.9C01.C19.o1.np	Method	AAT/NAP
Start	289	End	3771
GI	1652280	Score	435
Exons	289..487, 702..1097, 1736..1895, 1975..2124, 2202..2308, 2416..2478, 2738..2920, 3523..3771		
GI Descrip.	(D90904) ribonuclease II [Synechocystis sp.]		

Seq. No.	2260	Seq. ID	OJ990903_11.9C01.C19
Gene No.	4743	Strand	-
Start	263	End	3771
Name	OJ990903_11.9C01.C19.o1.ts	Method	TBLASTX:Soybean
Start	347	End	1014
GI	none	Score	67
Exons	347..490, 348..485, 350..490, 351..494, 361..501, 688..1014,		

697..939, 699..1013

Seq. No.	2260	Seq. ID	OJ990903_11.9C01.C19
Gene No.	4743	Strand	-
Start	263	End	3771
Name	OJ990903_11.9C01.C19.o1.tm	Method	TBLASTX:Maize
Start	882	End	2079
GI	none	Score	298
Exons	882..1103, 883..1098, 884..1105, 885..1109, 1712..1771, 1735..1896, 1735..1896, 1826..1939, 1975..2079, 1977..2078		

Seq. No.	2260	Seq. ID	OJ990903_11.9C01.C19
Gene No.	4743	Strand	-
Start	263	End	3771
Name	OJ990903_11.9C01.C19.o2.gp	Method	AAT/GAP
Start	1016	End	2104
GI	LIB3434-026-P1-K1-G9	Score	678
Exons	1016..1097, 1736..1895, 1975..2104		
GI Descrip.	'1652280/dbj|BAA17203| 3.0e-14 (D90904) ribonuclease II [Synechocystis sp.]'		

Seq. No.	2260	Seq. ID	OJ990903_11.9C01.C19
Gene No.	4743	Strand	-
Start	263	End	3771
Name	OJ990903_11.9C01.C19.o1.tc	Method	TBLASTX:Cress
Start	1832	End	2472
GI	none	Score	64
Exons	1832..1894, 1833..1895, 1977..2126, 1978..2127, 2201..2311, 2202..2282, 2204..2311, 2242..2313, 2416..2472		

Seq. No.	2261	Seq. ID	OJ990903_11.9C01.C20
Gene No.	4744	Strand	+
Start	140	End	257
Name	OJ990903_11.9C01.C20.o1.gs	Method	GENSCAN
Start	140	End	257
GI	none	Score	.66
Exons	140..257		

Seq. No.	2262	Seq. ID	OJ990903_11.9C01.C21
Gene No.	4745	Strand	-
Start	1358	End	3066
Name	OJ990903_11.9C01.C21.o1.gp	Method	AAT/GAP
Start	1266	End	1679
GI	92800_1.R1084	Score	773
Exons	1266..1679		
GI Descrip.	'6006874/gb|AAF00649.1|AC008153_1 6.0e-19 (AC008153) putative UDP-glucuronosyltransferase, 5'' partial [Arabidopsis thaliana]'		

Seq. No.	2262	Seq. ID	OJ990903_11.9C01.C21
Gene No.	4745	Strand	-
Start	1358	End	3066
Name	OJ990903_11.9C01.C21.o1.gs	Method	GENSCAN
Start	1358	End	2242
GI	none	Score	.59
Exons	1358..2242		

Seq. No.	2262	Seq. ID	OJ990903_11.9C01.C21

Gene No.	4745	Strand	-
Start	1358	End	3066
Name	OJ990903_11.9C01.C21.o1.np	Method	AAT/NAP
Start	1361	End	3066
GI	5541690	Score	539
Exons	1361..2159, 2972..3066		
GI Descrip.	(AL096859) glucuronosyl transferase-like protein [Arabidopsis thaliana]		

Seq. No.	2262	Seq. ID	OJ990903_11.9C01.C21
Gene No.	4745	Strand	-
Start	1358	End	3066
Name	OJ990903_11.9C01.C21.o1.ts	Method	TBLASTX:Soybean
Start	1475	End	2131
GI	none	Score	42
Exons	1475..1510, 1544..1984, 1602..1733, 1803..1949, 2015..2131		

Seq. No.	2262	Seq. ID	OJ990903_11.9C01.C21
Gene No.	4745	Strand	-
Start	1358	End	3066
Name	OJ990903_11.9C01.C21.o1.tw	Method	TBLASTX:Wheat
Start	1481	End	1858
GI	none	Score	191
Exons	1481..1858, 1563..1733, 1806..1856		

Seq. No.	2262	Seq. ID	OJ990903_11.9C01.C21
Gene No.	4745	Strand	-
Start	1358	End	3066
Name	OJ990903_11.9C01.C21.o1.tc	Method	TBLASTX:Cress
Start	1547	End	1969
GI	none	Score	121
Exons	1547..1729, 1566..1733, 1745..1969, 1803..1946, 1814..1969		

Seq. No.	2262	Seq. ID	OJ990903_11.9C01.C21
Gene No.	4745	Strand	-
Start	1358	End	3066
Name	OJ990903_11.9C01.C21.o1.tm	Method	TBLASTX:Maize
Start	1547	End	1954
GI	none	Score	128
Exons	1547..1954, 1566..1733, 1619..1948, 1803..1949		

Seq. No.	2262	Seq. ID	OJ990903_11.9C01.C21
Gene No.	4745	Strand	-
Start	1358	End	3066
Name	OJ990903_11.9C01.C21.o2.tw	Method	TBLASTX:Wheat
Start	1859	End	2189
GI	none	Score	69
Exons	1859..1966, 1865..1966, 2001..2189, 2003..2188		

Seq. No.	2263	Seq. ID	OJ990903_11.9C01.C22
Gene No.	4746	Strand	+
Start	41	End	117
Name	OJ990903_11.9C01.C22.o1.gs	Method	GENSCAN
Start	41	End	117
GI	none	Score	1
Exons	41..117		

Seq. No.	2264	Seq. ID	OJ990903_11.9C01.C23
Gene No.	4747	Strand	-
Start	1	End	2015
Name	OJ990903_11.9C01.C23.o1.np	Method	AAT/NAP
Start	1	End	2009
GI	6587848	Score	137
Exons	1..25, 1516..2009		
GI Descrip.	(AC006551) Putative UDP-glucose glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	2264	Seq. ID	OJ990903_11.9C01.C23
Gene No.	4747	Strand	-
Start	1	End	2015
Name	OJ990903_11.9C01.C23.o1.gs	Method	GENSCAN
Start	806	End	2015
GI	none	Score	.91
Exons	806..882, 1509..1694, 1724..2015		

Seq. No.	2264	Seq. ID	OJ990903_11.9C01.C23
Gene No.	4747	Strand	-
Start	1	End	2015
Name	OJ990903_11.9C01.C23.o1.tw	Method	TBLASTX:Wheat
Start	1695	End	1976
GI	none	Score	147
Exons	1695..1976, 1701..1970		

Seq. No.	2265	Seq. ID	OJ990903_11.9C01.C24
Gene No.	4748	Strand	+
Start	2839	End	4134
Name	OJ990903_11.9C01.C24.o1.tm	Method	TBLASTX:Maize
Start	2591	End	3273
GI	none	Score	151
Exons	2591..2779, 2596..2778, 2775..3029, 2776..3273, 2941..3249		

Seq. No.	2265	Seq. ID	OJ990903_11.9C01.C24
Gene No.	4748	Strand	+
Start	2839	End	4134
Name	OJ990903_11.9C01.C24.o2:gs	Method	GENSCAN
Start	2839	End	2955
GI	none	Score	.52
Exons	2839..2955		

Seq. No.	2265	Seq. ID	OJ990903_11.9C01.C24
Gene No.	4748	Strand	+
Start	2839	End	4134
Name	OJ990903_11.9C01.C24.o1.ts	Method	TBLASTX:Soybean
Start	2974	End	3495
GI	none	Score	57
Exons	2974..3030, 3100..3294, 3394..3495		

Seq. No.	2265	Seq. ID	OJ990903_11.9C01.C24
Gene No.	4748	Strand	+
Start	2839	End	4134
Name	OJ990903_11.9C01.C24.o2.tw	Method	TBLASTX:Wheat
Start	3124	End	3669
GI	none	Score	96
Exons	3124..3273, 3311..3388, 3394..3492, 3487..3525, 3571..3669		

Seq. No.	2265	Seq. ID	OJ990903_11.9C01.C24
Gene No.	4748	Strand	+
Start	2839	End	4134
Name	OJ990903_11.9C01.C24.o2.tm	Method	TBLASTX:Maize
Start	3567	End	4039
GI	none	Score	293
Exons	3567..3734, 3568..3933, 3952..4035, 3953..4039		

Seq. No.	2265	Seq. ID	OJ990903_11.9C01.C24
Gene No.	4748	Strand	+
Start	2839	End	4134
Name	OJ990903_11.9C01.C24.o1.tw	Method	TBLASTX:Wheat
Start	3763	End	4134
GI	none	Score	103
Exons	3763..3930, 3766..3912, 3941..4132, 3958..4134		

Seq. No.	2266	Seq. ID	OJ990903_11.9C01.C25
Gene No.	4749	Strand	+
Start	1	End	661
Name	OJ990903_11.9C01.C25.o1.np	Method	AAT/NAP
Start	1	End	661
GI	5042454	Score	185
Exons	1..233, 477..661		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	2267	Seq. ID	OJ990903_11.9C01.C26
Gene No.	4750	Strand	+
Start	56	End	121
Name	OJ990903_11.9C01.C26.o1.gs	Method	GENSCAN
Start	56	End	121
GI	none	Score	.43
Exons	56..121		

Seq. No.	2268	Seq. ID	OJ990903_11.9C01.C27
Gene No.	4751	Strand	-
Start	143	End	701
Name	OJ990903_11.9C01.C27.o1.gs	Method	GENSCAN
Start	143	End	664
GI	none	Score	.9
Exons	143..664		

Seq. No.	2268	Seq. ID	OJ990903_11.9C01.C27
Gene No.	4751	Strand	-
Start	143	End	701
Name	OJ990903_11.9C01.C27.o1.np	Method	AAT/NAP
Start	226	End	701
GI	5902445	Score	436
Exons	226..701		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	2268	Seq. ID	OJ990903_11.9C01.C27
Gene No.	4751	Strand	-
Start	143	End	701
Name	OJ990903_11.9C01.C27.o1.tm	Method	TBLASTX:Maize
Start	227	End	541
GI	none	Score	133

Exons	227..541, 228..464		
Seq. No.	2268	Seq. ID	OJ990903_11.9C01.C27
Gene No.	4751	Strand	-
Start	143	End	701
Name	OJ990903_11.9C01.C27.o1.ts	Method	TBLASTX:Soybean
Start	299	End	538
GI	none	Score	54
Exons	299..412, 299..538, 309..455		
Seq. No.	2268	Seq. ID	OJ990903_11.9C01.C27
Gene No.	4751	Strand	-
Start	143	End	701
Name	OJ990903_11.9C01.C27.o1.tw	Method	TBLASTX:Wheat
Start	308	End	653
GI	none	Score	134
Exons	308..652, 309..458, 567..653		
Seq. No.	2269	Seq. ID	OJ990903_11.9C01.C28
Gene No.	4752	Strand	+
Start	2922	End	3251
Name	OJ990903_11.9C01.C28.o1.gp	Method	AAT/GAP
Start	2922	End	3251
GI	69014_1.R1084	Score	592
Exons	2922..3251		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		
Seq. No.	2269	Seq. ID	OJ990903_11.9C01.C28
Gene No.	4753	Strand	-
Start	1	End	2514
Name	OJ990903_11.9C01.C28.o1.np	Method	AAT/NAP
Start	1	End	2514
GI	5042454	Score	241
Exons	1..393, 529..708, 781..923, 2490..2514		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	2270	Seq. ID	OJ990903_11.9C01.C29
Gene No.	4754	Strand	+
Start	599	End	4106
Name	OJ990903_11.9C01.C29.o1.np	Method	AAT/NAP
Start	599	End	4106
GI	6721512	Score	113
Exons	599..628, 2574..2665, 2777..2956, 3179..3228, 4045..4106		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	2270	Seq. ID	OJ990903_11.9C01.C29
Gene No.	4754	Strand	+
Start	599	End	4106
Name	OJ990903_11.9C01.C29.o1.gs	Method	GENSCAN
Start	1168	End	1510
GI	none	Score	.49
Exons	1168..1246, 1320..1510		
Seq. No.	2270	Seq. ID	OJ990903_11.9C01.C29
Gene No.	4754	Strand	+

Start	599	End	4106
Name	OJ990903_11.9C01.C29.o2.gp	Method	AAT/GAP
Start	1741	End	2006
GI	2315_5.R1084	Score	331
Exons	1741..2006		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	2270	Seq. ID	OJ990903_11.9C01.C29
Gene No.	4755	Strand	-
Start	355	End	676
Name	OJ990903_11.9C01.C29.o1.gp	Method	AAT/GAP
Start	355	End	676
GI	2315_6.R1084	Score	74
Exons	355..414, 655..676		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 4.0e-38 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	2271	Seq. ID	OJ990903_11.9C01.C30
Gene No.	4756	Strand	+
Start	229	End	354
Name	OJ990903_11.9C01.C30.o1.gs	Method	GENSCAN
Start	229	End	354
GI	none	Score	.99
Exons	229..354		

Seq. No.	2271	Seq. ID	OJ990903_11.9C01.C30
Gene No.	4757	Strand	-
Start	1638	End	1676
Name	OJ990903_11.9C01.C30.o2.gs	Method	GENSCAN
Start	1638	End	1676
GI	none	Score	.42
Exons	1638..1676		

Seq. No.	2272	Seq. ID	OJ990903_11.9C01.C31
Gene No.	4758	Strand	+
Start	1	End	1277
Name	OJ990903_11.9C01.C31.o1.np	Method	AAT/NAP
Start	1	End	1277
GI	6002631	Score	473
Exons	1..166, 426..517, 842..1277		
GI Descrip.	(AF093604) apyrase [Arabidopsis thaliana] gi|6721177|gb|AAF26805.1|AC016829_29 (AC016829) apyrase (Atapy1) [Arabidopsis thaliana]		

Seq. No.	2272	Seq. ID	OJ990903_11.9C01.C31
Gene No.	4758	Strand	+
Start	1	End	1277
Name	OJ990903_11.9C01.C31.o1.ts	Method	TBLASTX:Soybean
Start	2	End	1239
GI	none	Score	177
Exons	2..166, 3..164, 418..519, 841..1170, 1189..1239		

Seq. No.	2272	Seq. ID	OJ990903_11.9C01.C31
Gene No.	4758	Strand	+
Start	1	End	1277
Name	OJ990903_11.9C01.C31.o1.tm	Method	TBLASTX:Maize

Start	3	End	1239
GI	none	Score	214
Exons	3..164, 12..164, 34..165, 34..171, 421..471, 423..467, 465..518, 478..519, 841..1185, 948..1184, 1173..1238, 1180..1239		

Seq. No.	2272	Seq. ID	OJ990903_11.9C01.C31
Gene No.	4758	Strand	+
Start	1	End	1277
Name	OJ990903_11.9C01.C31.o1.gs	Method	GENSCAN
Start	48	End	1240
GI	none	Score	.89
Exons	48..166, 426..517, 842..1240		

Seq. No.	2273	Seq. ID	OJ990903_11.9C01.C32
Gene No.	4759	Strand	+
Start	1	End	104
Name	OJ990903_11.9C01.C32.o1.np	Method	AAT/NAP
Start	1	End	104
GI	6002631	Score	98
Exons	1..104		
GI Descrip.	(AF093604) apyrase [Arabidopsis thaliana] gi|6721177|gb|AAF26805.1|AC016829_29 (AC016829) apyrase (Atapy1) [Arabidopsis thaliana]		

Seq. No.	2274	Seq. ID	OJ990903_11.9C01.C33
Gene No.	4760	Strand	+
Start	55	End	447
Name	OJ990903_11.9C01.C33.o1.np	Method	AAT/NAP
Start	55	End	447
GI	6523058	Score	226
Exons	55..447		
GI Descrip.	(AL133314) putative protein [Arabidopsis thaliana]		

Seq. No.	2274	Seq. ID	OJ990903_11.9C01.C33
Gene No.	4760	Strand	+
Start	55	End	447
Name	OJ990903_11.9C01.C33.o1.gp	Method	AAT/GAP
Start	89	End	239
GI	LIB3479-011-Q6-K1-B9	Score	221
Exons	89..239		
GI Descrip.	'130951/sp|P17048|PRO2_ORYSA 2.0e-12 13 KD PROLAMIN PRECURSOR >gi_100697_pir__S09249 13K prolamin precursor - rice >gi_20292_emb_CAA32565_ (X14392) preprolamin (AA -19 to 137) [Oryza sativa] >gi_1587669_prf__2207199A prolamin [Oryza sativa]'		

Seq. No.	2274	Seq. ID	OJ990903_11.9C01.C33
Gene No.	4760	Strand	+
Start	55	End	447
Name	OJ990903_11.9C01.C33.o1.tm	Method	TBLASTX:Maize
Start	172	End	423
GI	none	Score	248
Exons	172..423, 261..347, 298..423		

Seq. No.	2275	Seq. ID	OJ990903_11.9C01.C34
Gene No.	4761	Strand	-
Start	1	End	698

Name	OJ990903_11.9C01.C34.o1.np	Method	AAT/NAP
Start	1	End	698
GI	6721561	Score	554
Exons	1..454, 535..593, 663..698		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2275	Seq. ID	OJ990903_11.9C01.C34
Gene No.	4761	Strand	-
Start	1	End	698
Name	OJ990903_11.9C01.C34.o1.gs	Method	GENSCAN
Start	50	End	593
GI	none	Score	.71
Exons	50..227, 351..391, 535..593		

Seq. No.	2276	Seq. ID	OJ990903_11.9C01.C36
Gene No.	4762	Strand	+
Start	78	End	1311
Name	OJ990903_11.9C01.C36.o1.gs	Method	GENSCAN
Start	78	End	1149
GI	none	Score	.78
Exons	78..166, 193..314, 557..1149		

Seq. No.	2276	Seq. ID	OJ990903_11.9C01.C36
Gene No.	4762	Strand	+
Start	78	End	1311
Name	OJ990903_11.9C01.C36.o2.np	Method	AAT/NAP
Start	315	End	1311
GI	629693	Score	382
Exons	315..1311		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	2276	Seq. ID	OJ990903_11.9C01.C36
Gene No.	4762	Strand	+
Start	78	End	1311
Name	OJ990903_11.9C01.C36.o1.np	Method	AAT/NAP
Start	401	End	1266
GI	4544372	Score	371
Exons	401..1266		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	2276	Seq. ID	OJ990903_11.9C01.C36
Gene No.	4762	Strand	+
Start	78	End	1311
Name	OJ990903_11.9C01.C36.o1.tw	Method	TBLASTX:Wheat
Start	844	End	1251
GI	none	Score	207
Exons	844..1251, 1077..1217		

Seq. No.	2276	Seq. ID	OJ990903_11.9C01.C36
Gene No.	4762	Strand	+
Start	78	End	1311

Name	OJ990903_11.9C01.C36.o1.ts	Method	TBLASTX:Soybean
Start	1027	End	1272
GI	none	Score	226
Exons	1027..1272, 1038..1190, 1239..1268		

Seq. No.	2277	Seq. ID	OJ990903_11.9C01.C37
Gene No.	4763	Strand	+
Start	1	End	2581
Name	OJ990903_11.9C01.C37.o1.np	Method	AAT/NAP
Start	1	End	2581
GI	5852180	Score	461
Exons	1..30, 992..1071, 2053..2581		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	2277	Seq. ID	OJ990903_11.9C01.C37
Gene No.	4764	Strand	-
Start	922	End	1303
Name	OJ990903_11.9C01.C37.o1.gp	Method	AAT/GAP
Start	922	End	1303
GI	uC-osf1cyp033a04b1	Score	675
Exons	922..1303		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	2278	Seq. ID	OJ990903_11.9C01.C38
Gene No.	4765	Strand	+
Start	286	End	1109
Name	OJ990903_11.9C01.C38.o1.gs	Method	GENSCAN
Start	286	End	1109
GI	none	Score	.54
Exons	286..288, 320..422, 907..1109		

Seq. No.	2279	Seq. ID	OJ990903_11.9C01.C39
Gene No.	4766	Strand	+
Start	5416	End	8167
Name	OJ990903_11.9C01.C39.o2.gs	Method	GENSCAN
Start	5416	End	8167
GI	none	Score	.49
Exons	5416..6022, 6106..6183, 6364..6488, 6770..7979, 8128..8167		

Seq. No.	2279	Seq. ID	OJ990903_11.9C01.C39
Gene No.	4767	Strand	-
Start	1	End	3458
Name	OJ990903_11.9C01.C39.o1.np	Method	AAT/NAP
Start	1	End	2334
GI	5441880	Score	375
Exons	1..33, 1672..2334		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	2279	Seq. ID	OJ990903_11.9C01.C39
Gene No.	4767	Strand	-
Start	1	End	3458
Name	OJ990903_11.9C01.C39.o1.gs	Method	GENSCAN
Start	341	End	3458
GI	none	Score	.58

Exons	341..508, 716..843, 887..1140, 1395..1418, 1663..2660, 3347..3458		
Seq. No.	2280	Seq. ID	OJ990903_11.9C01.C40
Gene No.	4768	Strand	-
Start	70	End	721
Name	OJ990903_11.9C01.C40.o1.gs	Method	GENSCAN
Start	70	End	571
GI	none	Score	.49
Exons	70..266, 511..571		
Seq. No.	2280	Seq. ID	OJ990903_11.9C01.C40
Gene No.	4768	Strand	-
Start	70	End	721
Name	OJ990903_11.9C01.C40.o1.np	Method	AAT/NAP
Start	214	End	721
GI	5042454	Score	224
Exons	214..266, 515..721		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	2281	Seq. ID	OJ990903_11.9C01.C41
Gene No.	4769	Strand	-
Start	367	End	1118
Name	OJ990903_11.9C01.C41.o1.gs	Method	GENSCAN
Start	367	End	1118
GI	none	Score	.75
Exons	367..880, 940..1118		
Seq. No.	2281	Seq. ID	OJ990903_11.9C01.C41
Gene No.	4769	Strand	-
Start	367	End	1118
Name	OJ990903_11.9C01.C41.o1.tm	Method	TBLASTX:Maize
Start	608	End	892
GI	none	Score	39
Exons	608..625, 652..756, 659..715, 763..864, 764..865, 875..892		
Seq. No.	2282	Seq. ID	OJ990903_11.9C01.C42
Gene No.	4770	Strand	-
Start	202	End	318
Name	OJ990903_11.9C01.C42.o1.gs	Method	GENSCAN
Start	202	End	318
GI	none	Score	.57
Exons	202..318		
Seq. No.	2283	Seq. ID	OJ990903_11.9C01.C43
Gene No.	4771	Strand	-
Start	65	End	192
Name	OJ990903_11.9C01.C43.o1.gs	Method	GENSCAN
Start	65	End	192
GI	none	Score	.83
Exons	65..192		
Seq. No.	2284	Seq. ID	OJ990923_12.9C01.C2
Gene No.	4772	Strand	-
Start	418	End	800
Name	OJ990923_12.9C01.C2.o1.gp	Method	AAT/GAP
Start	199	End	543

GI	3761205	Score	607
Exons	199..543		
Seq. No.	2284	Seq. ID	OJ990923_12.9C01.C2
Gene No.	4772	Strand	-
Start	418	End	800
Name	OJ990923_12.9C01.C2.o1.gs	Method	GENSCAN
Start	418	End	800
GI	none	Score	.93
Exons	418..573, 654..800		
Seq. No.	2285	Seq. ID	OJ990923_12.9C01.C3
Gene No.	4773	Strand	+
Start	161	End	247
Name	OJ990923_12.9C01.C3.o2.np	Method	AAT/NAP
Start	161	End	247
GI	6721561	Score	73
Exons	161..247		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	2285	Seq. ID	OJ990923_12.9C01.C3
Gene No.	4774	Strand	-
Start	39	End	128
Name	OJ990923_12.9C01.C3.o1.np	Method	AAT/NAP
Start	39	End	128
GI	4680183	Score	139
Exons	39..128		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	2285	Seq. ID	OJ990923_12.9C01.C3
Gene No.	4775	Strand	-
Start	83	End	209
Name	OJ990923_12.9C01.C3.o1.gs	Method	GENSCAN
Start	83	End	209
GI	none	Score	.56
Exons	83..209		
Seq. No.	2286	Seq. ID	OJ990923_12.9C01.C4
Gene No.	4776	Strand	-
Start	48	End	1535
Name	OJ990923_12.9C01.C4.o1.gs	Method	GENSCAN
Start	48	End	1535
GI	none	Score	.74
Exons	48..353, 612..638, 1076..1236, 1487..1535		
Seq. No.	2286	Seq. ID	OJ990923_12.9C01.C4
Gene No.	4776	Strand	-
Start	48	End	1535
Name	OJ990923_12.9C01.C4.o1.gp	Method	AAT/GAP
Start	861	End	1381
GI	LIB3434-038-P1-K1-F1	Score	765
Exons	861..1381		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic		

DNA, chromosome 8, clone:P0026F07'

Seq. No.	2287	Seq. ID	OJ990923_12.9C01.C5
Gene No.	4777	Strand	+
Start	1875	End	2054
Name	OJ990923_12.9C01.C5.o1.gs	Method	GENSCAN
Start	1875	End	2054
GI	none	Score	.78
Exons	1875..2054		

Seq. No.	2288	Seq. ID	OJ990923_12.9C01.C6
Gene No.	4778	Strand	+
Start	3677	End	12180
Name	OJ990923_12.9C01.C6.o1.np	Method	AAT/NAP
Start	3677	End	12177
GI	4680190	Score	2957
Exons	3677..3813, 4849..5086, 5696..5888, 5967..6103, 7191..7423, 7578..7637, 8133..8215, 8600..8795, 8914..9043, 9304..9375, 9542..9714, 9840..9920, 10814..10883, 11999..12177		
GI Descrip.	(AF111710) putative dnaJ-like protein [Oryza sativa subsp. indica]		

Seq. No.	2288	Seq. ID	OJ990923_12.9C01.C6
Gene No.	4778	Strand	+
Start	3677	End	12180
Name	OJ990923_12.9C01.C6.o3.gs	Method	GENSCAN
Start	3677	End	12180
GI	none	Score	.73
Exons	3677..3769, 4526..4581, 4849..5086, 5696..5888, 5967..6116, 7096..7287, 7302..7423, 7578..7637, 8133..8215, 8633..8795, 8914..9043, 9304..9375, 9542..9714, 9840..9920, 10814..10883, 11999..12180		

Seq. No.	2288	Seq. ID	OJ990923_12.9C01.C6
Gene No.	4778	Strand	+
Start	3677	End	12180
Name	OJ990923_12.9C01.C6.o2.gp	Method	AAT/GAP
Start	4436	End	6077
GI	57512_1.R1084	Score	1048
Exons	4436..4465, 4849..5086, 5696..5888, 5967..6077		
GI Descrip.	'4680190/gb|AAD27555.1|AF111710_1 1.0e-88 (AF111710) putative dnaJ-like protein [Oryza sativa subsp. indica]'		

Seq. No.	2288	Seq. ID	OJ990923_12.9C01.C6
Gene No.	4778	Strand	+
Start	3677	End	12180
Name	OJ990923_12.9C01.C6.o3.gp	Method	AAT/GAP
Start	7115	End	8791
GI	27353_1.R1084	Score	921
Exons	7115..7211, 7302..7423, 7578..7637, 8133..8215, 8633..8791		
GI Descrip.	'4680190/gb|AAD27555.1|AF111710_1 2.0e-51 (AF111710) putative dnaJ-like protein [Oryza sativa subsp. indica]'		

Seq. No.	2288	Seq. ID	OJ990923_12.9C01.C6
Gene No.	4778	Strand	+
Start	3677	End	12180
Name	OJ990923_12.9C01.C6.o4.gp	Method	AAT/GAP

Start	9634	End	10781
GI	6519_1.R1084	Score	919
Exons	9634..9714, 9840..9920, 10441..10781		
GI Descrip.	'4680190/gb|AAD27555.1|AF111710_1 2.0e-16 (AF111710) putative dnaJ-like protein [Oryza sativa subsp. indica]'		

Seq. No.	2288	Seq. ID	OJ990923_12.9C01.C6
Gene No.	4779	Strand	-
Start	1412	End	2726
Name	OJ990923_12.9C01.C6.o2.gs	Method	GENSCAN
Start	1412	End	2726
GI	none	Score	.52
Exons	1412..1855, 2030..2192, 2351..2502, 2634..2726		

Seq. No.	2288	Seq. ID	OJ990923_12.9C01.C6
Gene No.	4779	Strand	-
Start	1412	End	2726
Name	OJ990923_12.9C01.C6.o1.gp	Method	AAT/GAP
Start	2038	End	2109
GI	1036868	Score	93
Exons	2038..2109		
GI Descrip.	4680178/gb|AF111709.1|AF111709 4.0e-63 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	2288	Seq. ID	OJ990923_12.9C01.C6
Gene No.	4780	Strand	-
Start	13230	End	15946
Name	OJ990923_12.9C01.C6.o2.ts	Method	TBLASTX:Soybean
Start	7333	End	10521
GI	none	Score	126
Exons	7333..7422, 7334..7423, 7575..7628, 8130..8216, 8134..8205, 8135..8212, 8631..8765, 8634..8789, 8644..8790, 8913..9023, 8920..9042, 9300..9389, 9302..9388, 9394..9429, 9424..9465, 9425..9466, 9538..9717, 9641..9712, 9642..9716, 9839..9913, 9848..9901, 10438..10521		

Seq. No.	2288	Seq. ID	OJ990923_12.9C01.C6
Gene No.	4780	Strand	-
Start	13230	End	15946
Name	OJ990923_12.9C01.C6.o2.tm	Method	TBLASTX:Maize
Start	7575	End	10521
GI	none	Score	91
Exons	7575..7631, 7577..7633, 8128..8211, 8130..8216, 8131..8211, 8132..8212, 8631..8795, 8632..8712, 8634..8795, 8635..8796, 8747..8800, 8911..9042, 8913..9041, 9289..9390, 9300..9392, 9302..9391, 9389..9424, 9390..9425, 9390..9428, 9391..9429, 9424..9465, 9425..9466, 9435..9467, 9533..9715, 9534..9716, 9538..9717, 9642..9716, 9839..9943, 9840..9920, 9863..9943, 10438..10521		

Seq. No.	2288	Seq. ID	OJ990923_12.9C01.C6
Gene No.	4780	Strand	-
Start	13230	End	15946
Name	OJ990923_12.9C01.C6.o2.tc	Method	TBLASTX:Cress
Start	8631	End	9717
GI	none	Score	129

Exons 8631..8765, 8917..9057, 9290..9376, 9300..9392, 9390..9428, 9391..9429, 9424..9465, 9425..9466, 9556..9717

Seq. No. 2288 Seq. ID OJ990923_12.9C01.C6
Gene No. 4780 Strand -
Start 13230 End 15946
Name OJ990923_12.9C01.C6.o1.tw Method TBLASTX:Wheat
Start 9292 End 9901
GI none Score 129
Exons 9292..9390, 9302..9391, 9302..9391, 9303..9392, 9389..9427, 9390..9428, 9391..9429, 9424..9465, 9425..9466, 9528..9716, 9533..9691, 9538..9717, 9592..9714, 9642..9716, 9839..9901, 9848..9901

Seq. No. 2288 Seq. ID OJ990923_12.9C01.C6
Gene No. 4780 Strand -
Start 13230 End 15946
Name OJ990923_12.9C01.C6.o4.gs Method GENSCAN
Start 13230 End 15224
GI none Score .94
Exons 13230..13899, 14025..14154, 14566..14669, 15111..15224

Seq. No. 2288 Seq. ID OJ990923_12.9C01.C6
Gene No. 4780 Strand -
Start 13230 End 15946
Name OJ990923_12.9C01.C6.o2.np Method AAT/NAP
Start 13233 End 15946
GI 4680191 Score 1751
Exons 13233..13899, 14025..14277, 14432..14512, 14566..14650, 15926..15946
GI Descrip. (AF111710) putative myb-related protein [Oryza sativa subsp. indica]

Seq. No. 2288 Seq. ID OJ990923_12.9C01.C6
Gene No. 4780 Strand -
Start 13230 End 15946
Name OJ990923_12.9C01.C6.o5.gp Method AAT/GAP
Start 13683 End 14108
GI LIB3434-054-P1-K1-G7 Score 509
Exons 13683..13899, 14025..14108
GI Descrip. '4680191/gb|AAD27556.1|AF111710_2 2.0e-45 (AF111710) putative myb-related protein [Oryza sativa subsp. indica]'

Seq. No. 2288 Seq. ID OJ990923_12.9C01.C6
Gene No. 4780 Strand -
Start 13230 End 15946
Name OJ990923_12.9C01.C6.o1.tc Method TBLASTX:Cress
Start 13776 End 14373
GI none Score 134
Exons 13776..13901, 13780..13902, 14024..14158, 14025..14159, 14263..14373, 14264..14320

Seq. No. 2288 Seq. ID OJ990923_12.9C01.C6
Gene No. 4780 Strand -
Start 13230 End 15946
Name OJ990923_12.9C01.C6.o1.ts Method TBLASTX:Soybean
Start 13776 End 14340

GI	none	Score	138
Exons	13776..13901, 13780..13902, 14024..14158, 14025..14159, 14263..14340, 14270..14320		

Seq. No.	2288	Seq. ID	OJ990923_12.9C01.C6
Gene No.	4780	Strand	-
Start	13230	End	15946
Name	OJ990923_12.9C01.C6.o2.tw	Method	TBLASTX:Wheat
Start	13785	End	14394
GI	none	Score	115
Exons	13785..13901, 13786..13902, 14007..14159, 14024..14158, 14269..14379, 14278..14394		

Seq. No.	2288	Seq. ID	OJ990923_12.9C01.C6
Gene No.	4780	Strand	-
Start	13230	End	15946
Name	OJ990923_12.9C01.C6.o1.tm	Method	TBLASTX:Maize
Start	13785	End	14419
GI	none	Score	138
Exons	13785..13826, 13791..13901, 13792..13902, 13852..13902, 13863..13907, 14024..14116, 14024..14158, 14025..14159, 14251..14391, 14263..14382, 14264..14419		

Seq. No.	2289	Seq. ID	OJ990923_12.9C01.C7
Gene No.	4781	Strand	+
Start	15946	End	19389
Name	OJ990923_12.9C01.C7.o2.gs	Method	GENSCAN
Start	15946	End	19213
GI	none	Score	.72
Exons	15946..15990, 16209..16599, 17237..17352, 17436..17522, 17669..17785, 17876..17964, 18142..18193, 18480..18524, 18627..18716, 18787..18858, 19085..19213		

Seq. No.	2289	Seq. ID	OJ990923_12.9C01.C7
Gene No.	4781	Strand	+
Start	15946	End	19389
Name	OJ990923_12.9C01.C7.o2.np	Method	AAT/NAP
Start	15946	End	19210
GI	4680193	Score	2247
Exons	15946..15990, 16049..16599, 17237..17352, 17436..17522, 17669..17785, 17876..17964, 18142..18193, 18293..18388, 18480..18524, 18627..18716, 18787..18858, 19085..19210		
GI Descrip.	(AF111710) putative farnesyl pyrophosphate synthase [Oryza sativa subsp. indica]		

Seq. No.	2289	Seq. ID	OJ990923_12.9C01.C7
Gene No.	4781	Strand	+
Start	15946	End	19389
Name	OJ990923_12.9C01.C7.o1.gp	Method	AAT/GAP
Start	16113	End	17712
GI	21028_1.R1084	Score	1167
Exons	16113..16496, 17122..17146, 17237..17352, 17436..17522, 17669..17712		
GI Descrip.	'4680193/gb|AAD27558.1|AF111710_4 6.0e-63 (AF111710) putative farnesyl pyrophosphate synthase [Oryza sativa subsp. indica]'		

Seq. No.	2289	Seq. ID	OJ990923_12.9C01.C7

Gene No.	4781	Strand	+
Start	15946	End	19389
Name	OJ990923_12.9C01.C7.o2.gp	Method	AAT/GAP
Start	17887	End	19389
GI	88_1.R1084	Score	1356
Exons	17887..17964, 18142..18193, 18293..18388, 18480..18524, 18627..18716, 18787..18858, 19085..19389		
GI Descrip.	'4680193/gb|AAD27558.1|AF111710_4 1.0e-105 (AF111710) putative farnesyl pyrophosphate synthase [Oryza sativa subsp. indica]'		

Seq. No.	2289	Seq. ID	OJ990923_12.9C01.C7
Gene No.	4782	Strand	-
Start	1	End	15172
Name	OJ990923_12.9C01.C7.o1.np	Method	AAT/NAP
Start	1	End	15172
GI	4680191	Score	4378
Exons	1..19, 1563..1751, 2145..2263, 3189..3229, 4124..4292, 4731..4923, 6666..6692, 7182..7328, 7544..7634, 8924..9349, 9627..9709, 11027..11131, 11286..11406, 11791..12379, 12913..13089, 13150..13281, 13415..13508, 13560..13620, 15098..15172		
GI Descrip.	(AF111710) putative myb-related protein [Oryza sativa subsp. indica]		

Seq. No.	2289	Seq. ID	OJ990923_12.9C01.C7
Gene No.	4782	Strand	-
Start	1	End	15172
Name	OJ990923_12.9C01.C7.o1.gs	Method	GENSCAN
Start	1563	End	15172
GI	none	Score	.54
Exons	1563..1751, 3189..3246, 4124..4292, 4731..4923, 6666..6692, 7182..7328, 7544..7634, 8733..8857, 9007..9104, 9112..9349, 9627..9709, 11027..11131, 11286..11409, 11482..12017, 12032..12379, 12913..13089, 13150..13281, 13415..13508, 13560..13620, 15098..15172		

Seq. No.	2289	Seq. ID	OJ990923_12.9C01.C7
Gene No.	4783	Strand	-
Start	19555	End	22387
Name	OJ990923_12.9C01.C7.o4.tm	Method	TBLASTX:Maize
Start	11287	End	11509
GI	none	Score	205
Exons	11287..11433, 11288..11509		

Seq. No.	2289	Seq. ID	OJ990923_12.9C01.C7
Gene No.	4783	Strand	-
Start	19555	End	22387
Name	OJ990923_12.9C01.C7.o2.tc	Method	TBLASTX:Cress
Start	16398	End	19213
GI	none	Score	113
Exons	16398..16502, 17118..17147, 17122..17157, 17235..17354, 17236..17355, 17432..17527, 17436..17528, 17439..17528, 17440..17529, 17668..17796, 17669..17800, 17786..17965, 17875..17952, 18143..18196, 18145..18207, 18275..18388, 18293..18388, 18396..18527, 18422..18550, 18626..18694, 18627..18725, 18787..18858, 19074..19211, 19087..19212, 19088..19213		

Seq. No.	2289	Seq. ID	OJ990923_12.9C01.C7
Gene No.	4783	Strand	-
Start	19555	End	22387
Name	OJ990923_12.9C01.C7.o2.ts	Method	TBLASTX:Soybean
Start	16398	End	17982
GI	none	Score	115
Exons	16398..16502, 17119..17157, 17121..17147, 17235..17354, 17236..17355, 17239..17415, 17432..17527, 17439..17528, 17653..17787, 17669..17788, 17688..17819, 17786..17971, 17857..17970, 17917..17982		

Seq. No.	2289	Seq. ID	OJ990923_12.9C01.C7
Gene No.	4783	Strand	-
Start	19555	End	22387
Name	OJ990923_12.9C01.C7.o2.tm	Method	TBLASTX:Maize
Start	17323	End	19245
GI	none	Score	41
Exons	17323..17355, 17428..17526, 17436..17525, 17439..17528, 17666..17785, 17667..17786, 17667..17786, 17668..17787, 17669..17788, 17786..17965, 17857..17964, 17875..17982, 18131..18193, 18143..18196, 18153..18194, 18275..18388, 18291..18386, 18292..18390, 18396..18527, 18443..18523, 18469..18528, 18625..18717, 18626..18718, 18627..18725, 18782..18859, 18787..18858, 18787..18870, 18789..18860, 19047..19235, 19083..19214, 19084..19245, 19085..19216		

Seq. No.	2289	Seq. ID	OJ990923_12.9C01.C7
Gene No.	4783	Strand	-
Start	19555	End	22387
Name	OJ990923_12.9C01.C7.o4.np	Method	AAT/NAP
Start	19555	End	21979
GI	6322834	Score	109
Exons	19555..19584, 21167..21304, 21391..21482, 21600..21724, 21804..21979		
GI Descrip.	Ykl018wp gi|549660|sp|P36104|YKB8_YEAST HYPOTHETICAL 37.1 KD PROTEIN IN RAM2-ATP7 INTERGENIC REGION gi|539149|pir||S37831 hypothetical protein YKL018w - yeast (Saccharomyces cerevisiae) gi|486009|emb|CAA81853| (Z28018) ORF YKL018w [Saccharomyces cerevisiae]		

Seq. No.	2289	Seq. ID	OJ990923_12.9C01.C7
Gene No.	4783	Strand	-
Start	19555	End	22387
Name	OJ990923_12.9C01.C7.o3.gp	Method	AAT/GAP
Start	20251	End	21444
GI	uC-osflcyp030a02b1	Score	901
Exons	20251..20425, 20493..20542, 20988..21069, 21167..21304, 21391..21444		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 4.0e-63 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	2289	Seq. ID	OJ990923_12.9C01.C7
Gene No.	4783	Strand	-
Start	19555	End	22387
Name	OJ990923_12.9C01.C7.o3.tm	Method	TBLASTX:Maize

Start	20287	End	21307
GI	none	Score	109
Exons	20287..20370, 20288..20392, 20321..20389, 20325..20396, 20493..20537, 20493..20546, 20494..20544, 20495..20548, 20986..21072, 20987..21070, 20988..21071, 21152..21307, 21167..21307		

Seq. No.	2289	Seq. ID	OJ990923_12.9C01.C7
Gene No.	4783	Strand	-
Start	19555	End	22387
Name	OJ990923_12.9C01.C7.o3.gs	Method	GENSCAN
Start	20292	End	21304
GI	none	Score	.83
Exons	20292..20425, 20988..21069, 21167..21304		

Seq. No.	2289	Seq. ID	OJ990923_12.9C01.C7
Gene No.	4783	Strand	-
Start	19555	End	22387
Name	OJ990923_12.9C01.C7.o3.np	Method	AAT/NAP
Start	20295	End	22387
GI	4680192	Score	545
Exons	20295..20425, 20988..21069, 21167..21304, 22313..22387		
GI Descrip.	(AF111710) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	2289	Seq. ID	OJ990923_12.9C01.C7
Gene No.	4783	Strand	-
Start	19555	End	22387
Name	OJ990923_12.9C01.C7.o1.ts	Method	TBLASTX:Soybean
Start	20986	End	21665
GI	none	Score	69
Exons	20986..21072, 20987..21064, 21167..21307, 21171..21305, 21217..21306, 21391..21507, 21392..21508, 21393..21509, 21624..21665, 21625..21663		

Seq. No.	2289	Seq. ID	OJ990923_12.9C01.C7
Gene No.	4783	Strand	-
Start	19555	End	22387
Name	OJ990923_12.9C01.C7.o1.tc	Method	TBLASTX:Cress
Start	21140	End	21973
GI	none	Score	95
Exons	21140..21307, 21174..21305, 21391..21432, 21410..21508, 21430..21507, 21625..21732, 21800..21871, 21890..21973		

Seq. No.	2289	Seq. ID	OJ990923_12.9C01.C7
Gene No.	4783	Strand	-
Start	19555	End	22387
Name	OJ990923_12.9C01.C7.o1.tm	Method	TBLASTX:Maize
Start	21391	End	21978
GI	none	Score	178
Exons	21391..21507, 21392..21511, 21393..21512, 21625..21699, 21626..21700, 21701..21727, 21776..21976, 21776..21976, 21805..21978		

Seq. No.	2290	Seq. ID	OJ990923_12.9C01.C8
Gene No.	4784	Strand	-
Start	1	End	1074
Name	OJ990923_12.9C01.C8.o1.np	Method	AAT/NAP

Start	1	End	1074
GI	4680192	Score	379
Exons	1..28, 823..1074		
GI Descrip.	(AF111710) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	2290	Seq. ID	OJ990923_12.9C01.C8
Gene No.	4784	Strand	-
Start	1	End	1074
Name	OJ990923_12.9C01.C8.o1.gp	Method	AAT/GAP
Start	540	End	831
GI	LIB3475-003-P1-K2-H11	Score	524
Exons	540..831		
GI Descrip.	'4680189/gb|AF111710.1|AF111710 1.0e-140 Oryza sativa subsp. indica putative dnaJ-like protein, putative myb-related protein, putative farnesyl pyrophosphate synthase, and hypothetical protein genes, complete cds'		

Seq. No.	2290	Seq. ID	OJ990923_12.9C01.C8
Gene No.	4784	Strand	-
Start	1	End	1074
Name	OJ990923_12.9C01.C8.o1.gs	Method	GENSCAN
Start	773	End	1054
GI	none	Score	.9
Exons	773..1054		

Seq. No.	2290	Seq. ID	OJ990923_12.9C01.C8
Gene No.	4784	Strand	-
Start	1	End	1074
Name	OJ990923_12.9C01.C8.o1.tm	Method	TBLASTX:Maize
Start	776	End	1072
GI	none	Score	249
Exons	776..808, 875..1072, 882..1070, 890..1072		

Seq. No.	2291	Seq. ID	OJ990923_12.9C01.C9
Gene No.	4785	Strand	+
Start	754	End	1368
Name	OJ990923_12.9C01.C9.o1.gs	Method	GENSCAN
Start	754	End	1368
GI	none	Score	.88
Exons	754..1368		

Seq. No.	2291	Seq. ID	OJ990923_12.9C01.C9
Gene No.	4786	Strand	-
Start	1994	End	2399
Name	OJ990923_12.9C01.C9.o2.gs	Method	GENSCAN
Start	1994	End	2392
GI	none	Score	.86
Exons	1994..2392		

Seq. No.	2291	Seq. ID	OJ990923_12.9C01.C9
Gene No.	4786	Strand	-
Start	1994	End	2399
Name	OJ990923_12.9C01.C9.o1.np	Method	AAT/NAP
Start	1997	End	2399
GI	4680185	Score	654
Exons	1997..2399		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	2292	Seq. ID	OJ990923_12.9C01.C10
Gene No.	4787	Strand	+
Start	870	End	1251
Name	OJ990923_12.9C01.C10.o1.gp	Method	AAT/GAP
Start	870	End	1251
GI	uC-osflcyp033a04b1	Score	655
Exons	870..1251		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	2292	Seq. ID	OJ990923_12.9C01.C10
Gene No.	4788	Strand	-
Start	803	End	2061
Name	OJ990923_12.9C01.C10.o1.np	Method	AAT/NAP
Start	803	End	2061
GI	4680186	Score	327
Exons	803..1003, 2027..2061		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	2293	Seq. ID	OJ990923_12.9C01.C11
Gene No.	4789	Strand	-
Start	1	End	321
Name	OJ990923_12.9C01.C11.o1.np	Method	AAT/NAP
Start	1	End	321
GI	4680209	Score	246
Exons	1..321		
GI Descrip.	(AF114171) unknown [Sorghum bicolor]		

Seq. No.	2293	Seq. ID	OJ990923_12.9C01.C11
Gene No.	4789	Strand	-
Start	1	End	321
Name	OJ990923_12.9C01.C11.o1.tm	Method	TBLASTX:Maize
Start	73	End	320
GI	none	Score	55
Exons	73..141, 75..140, 136..318, 147..320		

Seq. No.	2294	Seq. ID	OJ990923_12.9C01.C12
Gene No.	4790	Strand	+
Start	8274	End	10164
Name	OJ990923_12.9C01.C12.o2.np	Method	AAT/NAP
Start	8203	End	10131
GI	4680190	Score	378
Exons	8203..8348, 9330..9542, 9714..9934, 10023..10131		
GI Descrip.	(AF111710) putative dnaJ-like protein [Oryza sativa subsp. indica]		

Seq. No.	2294	Seq. ID	OJ990923_12.9C01.C12
Gene No.	4790	Strand	+
Start	8274	End	10164
Name	OJ990923_12.9C01.C12.o2.gs	Method	GENSCAN
Start	8274	End	10164
GI	none	Score	.93
Exons	8274..8397, 8405..8531, 9326..9542, 9714..9906, 10001..10164		

Seq. No.	2294	Seq. ID	OJ990923_12.9C01.C12
Gene No.	4791	Strand	+

Start	11913	End	13640
Name	OJ990923_12.9C01.C12.o3.np	Method	AAT/NAP
Start	11913	End	13640
GI	220578	Score	88
Exons	11913..11985, 12389..12637, 13606..13640		
GI Descrip.	(D00570) open reading frame (251 AA) [Mus musculus]		

Seq. No.	2294	Seq. ID	OJ990923_12.9C01.C12
Gene No.	4792	Strand	-
Start	1	End	4000
Name	OJ990923_12.9C01.C12.o1.np	Method	AAT/NAP
Start	1	End	3557
GI	4914429	Score	1118
Exons	1..215, 439..552, 649..751, 914..1045, 1249..1377, 1487..1564, 1652..1921, 1997..2093, 2411..2702, 3524..3557		
GI Descrip.	(AL050351) SEC14-like protein [Arabidopsis thaliana]		

Seq. No.	2294	Seq. ID	OJ990923_12.9C01.C12
Gene No.	4792	Strand	-
Start	1	End	4000
Name	OJ990923_12.9C01.C12.o1.gp	Method	AAT/GAP
Start	248	End	1011
GI	76980_1.R1084	Score	567
Exons	248..327, 439..556, 653..751, 914..1011		
GI Descrip.	'4914430/emb|CAB43633.1| 8.0e-09 (AL050351) SEC14-like protein [Arabidopsis thaliana]'		

Seq. No.	2294	Seq. ID	OJ990923_12.9C01.C12
Gene No.	4792	Strand	-
Start	1	End	4000
Name	OJ990923_12.9C01.C12.o1.gs	Method	GENSCAN
Start	653	End	4000
GI	none	Score	.74
Exons	653..751, 1276..1377, 1487..1564, 1652..1918, 1997..2093, 2411..2702, 2755..2823, 3524..3603, 3786..4000		

Seq. No.	2294	Seq. ID	OJ990923_12.9C01.C12
Gene No.	4792	Strand	-
Start	1	End	4000
Name	OJ990923_12.9C01.C12.o2.gp	Method	AAT/GAP
Start	1292	End	3622
GI	24125_1.R1084	Score	1667
Exons	1292..1377, 1487..1564, 1652..1918, 1997..2093, 2411..2702, 3524..3622		
GI Descrip.	'4914429/emb|CAB43632.1| 1.0e-118 (AL050351) SEC14-like protein [Arabidopsis thaliana]'		

Seq. No.	2294	Seq. ID	OJ990923_12.9C01.C12
Gene No.	4793	Strand	-
Start	12830	End	13640
Name	OJ990923_12.9C01.C12.o1.tm	Method	TBLASTX:Maize
Start	440	End	3626
GI	none	Score	103
Exons	440..556, 443..556, 648..752, 653..760, 656..754, 914..982, 915..983, 916..984, 980..1015, 1059..1214, 1098..1148, 1099..1149, 1273..1389, 1274..1378, 1275..1391, 1487..1564, 1488..1565, 1488..1568, 1489..1566, 1650..1919, 1652..1921,		

1653..1892, 1995..2102, 1995..2093, 1997..2095, 2406..2714,
2407..2721, 2410..2721, 3508..3597, 3522..3557, 3524..3595,
3525..3626

Seq. No.	2294	Seq. ID	OJ990923_12.9C01.C12
Gene No.	4793	Strand	-
Start	12830	End	13640
Name	OJ990923_12.9C01.C12.o1.ts	Method	TBLASTX:Soybean
Start	440	End	3557
GI	none	Score	64

Exons 440..553, 482..640, 650..760, 908..1015, 911..1015, 927..1040,
1059..1145, 1099..1146, 1273..1389, 1274..1378, 1487..1564,
1488..1565, 1631..1858, 1653..1856, 1841..1921, 1845..1892,
2000..2095, 2001..2102, 2407..2574, 2542..2721, 2588..2701,
3522..3557

Seq. No.	2294	Seq. ID	OJ990923_12.9C01.C12
Gene No.	4793	Strand	-
Start	12830	End	13640
Name	OJ990923_12.9C01.C12.o3.tc	Method	TBLASTX:Cress
Start	911	End	1564
GI	none	Score	72

Exons 911..949, 938..1015, 939..1046, 1099..1146, 1263..1292,
1273..1389, 1487..1564

Seq. No.	2294	Seq. ID	OJ990923_12.9C01.C12
Gene No.	4793	Strand	-
Start	12830	End	13640
Name	OJ990923_12.9C01.C12.o1.tw	Method	TBLASTX:Wheat
Start	1097	End	1897
GI	none	Score	67

Exons 1097..1144, 1097..1138, 1098..1145, 1099..1146, 1273..1389,
1274..1378, 1486..1560, 1487..1564, 1488..1565, 1628..1897,
1648..1773, 1653..1892

Seq. No.	2294	Seq. ID	OJ990923_12.9C01.C12
Gene No.	4793	Strand	-
Start	12830	End	13640
Name	OJ990923_12.9C01.C12.o1.tc	Method	TBLASTX:Cress
Start	1679	End	2029
GI	none	Score	151

Exons 1679..1921, 1683..1892, 1703..1936, 2000..2029

Seq. No.	2294	Seq. ID	OJ990923_12.9C01.C12
Gene No.	4793	Strand	-
Start	12830	End	13640
Name	OJ990923_12.9C01.C12.o2.tc	Method	TBLASTX:Cress
Start	2030	End	3557
GI	none	Score	68

Exons 2030..2092, 2030..2095, 2407..2526, 2413..2526, 2542..2613,
2599..2721, 2606..2701, 3522..3557

Seq. No.	2294	Seq. ID	OJ990923_12.9C01.C12
Gene No.	4793	Strand	-
Start	12830	End	13640
Name	OJ990923_12.9C01.C12.o3.gs	Method	GENSCAN
Start	12830	End	13555

GI	none	Score	.8
Exons	12830..13555		

Seq. No.	2294	Seq. ID	OJ990923_12.9C01.C12
Gene No.	4793	Strand	-
Start	12830	End	13640
Name	OJ990923_12.9C01.C12.o4.np	Method	AAT/NAP
Start	12833	End	13640
GI	4680184	Score	1252
Exons	12833..13640		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	2295	Seq. ID	OJ990923_12.9C01.C13
Gene No.	4794	Strand	+
Start	82	End	573
Name	OJ990923_12.9C01.C13.o1.gs	Method	GENSCAN
Start	82	End	573
GI	none	Score	.67
Exons	82..573		

Seq. No.	2295	Seq. ID	OJ990923_12.9C01.C13
Gene No.	4795	Strand	+
Start	6135	End	8347
Name	OJ990923_12.9C01.C13.o4.np	Method	AAT/NAP
Start	6135	End	8347
GI	4680182	Score	3840
Exons	6135..8347		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	2295	Seq. ID	OJ990923_12.9C01.C13
Gene No.	4796	Strand	+
Start	10309	End	11912
Name	OJ990923_12.9C01.C13.o5.gs	Method	GENSCAN
Start	10309	End	11912
GI	none	Score	.96
Exons	10309..10507, 11174..11274, 11787..11912		

Seq. No.	2295	Seq. ID	OJ990923_12.9C01.C13
Gene No.	4797	Strand	+
Start	12941	End	18840
Name	OJ990923_12.9C01.C13.o5.np	Method	AAT/NAP
Start	12941	End	18840
GI	4680186	Score	1074
Exons	12941..13010, 13245..13384, 13473..13637, 14725..14881, 15484..15640, 17069..17120, 18640..18840		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	2295	Seq. ID	OJ990923_12.9C01.C13
Gene No.	4797	Strand	+
Start	12941	End	18840
Name	OJ990923_12.9C01.C13.o6.gs	Method	GENSCAN
Start	12941	End	15271
GI	none	Score	.6
Exons	12941..13010, 13245..13307, 14148..14257, 14725..14881, 15165..15271		

Seq. No.	2295	Seq. ID	OJ990923_12.9C01.C13

Gene No.	4798	Strand	-
Start	1	End	2163
Name	OJ990923_12.9C01.C13.o1.np	Method	AAT/NAP
Start	1	End	763
GI	4680184	Score	1165
Exons	1..763		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	2295	Seq. ID	OJ990923_12.9C01.C13
Gene No.	4798	Strand	-
Start	1	End	2163
Name	OJ990923_12.9C01.C13.o2.np	Method	AAT/NAP
Start	82	End	2163
GI	6907088	Score	386
Exons	82..360, 568..684, 1608..1850, 2026..2163		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	2295	Seq. ID	OJ990923_12.9C01.C13
Gene No.	4799	Strand	-
Start	2760	End	3050
Name	OJ990923_12.9C01.C13.o2.gs	Method	GENSCAN
Start	2760	End	3050
GI	none	Score	.89
Exons	2760..2848, 2990..3050		

Seq. No.	2295	Seq. ID	OJ990923_12.9C01.C13
Gene No.	4800	Strand	-
Start	4292	End	4368
Name	OJ990923_12.9C01.C13.o3.np	Method	AAT/NAP
Start	4292	End	4368
GI	5852084	Score	77
Exons	4292..4368		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	2295	Seq. ID	OJ990923_12.9C01.C13
Gene No.	4801	Strand	-
Start	8582	End	9602
Name	OJ990923_12.9C01.C13.o4.gs	Method	GENSCAN
Start	8582	End	9602
GI	none	Score	.51
Exons	8582..8643, 8779..8942, 9069..9158, 9511..9602		

Seq. No.	2295	Seq. ID	OJ990923_12.9C01.C13
Gene No.	4802	Strand	-
Start	18103	End	18923
Name	OJ990923_12.9C01.C13.o1.tc	Method	TBLASTX:Cress
Start	6162	End	6515
GI	none	Score	116
Exons	6162..6365, 6426..6515		

Seq. No.	2295	Seq. ID	OJ990923_12.9C01.C13
Gene No.	4802	Strand	-
Start	18103	End	18923
Name	OJ990923_12.9C01.C13.o1.tm	Method	TBLASTX:Maize
Start	6240	End	6617
GI	none	Score	77
Exons	6240..6332, 6414..6617		

Seq. No.	2295	Seq. ID	OJ990923_12.9C01.C13
Gene No.	4802	Strand	-
Start	18103	End	18923
Name	OJ990923_12.9C01.C13.o6.np	Method	AAT/NAP
Start	17654	End	18653
GI	6721559	Score	287
Exons	17654..17792, 17821..18119, 18475..18653		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	2295	Seq. ID	OJ990923_12.9C01.C13
Gene No.	4802	Strand	-
Start	18103	End	18923
Name	OJ990923_12.9C01.C13.o7.gs	Method	GENSCAN
Start	18103	End	18923
GI	none	Score	.95
Exons	18103..18923		

Seq. No.	2296	Seq. ID	OJ990923_12.9C01.C14
Gene No.	4803	Strand	+
Start	751	End	4225
Name	OJ990923_12.9C01.C14.o1.gs	Method	GENSCAN
Start	751	End	3960
GI	none	Score	.61
Exons	751..781, 1618..1694, 1846..1888, 2118..2142, 2376..2671, 2774..2822, 3045..3114, 3207..3593, 3805..3960		

Seq. No.	2296	Seq. ID	OJ990923_12.9C01.C14
Gene No.	4803	Strand	+
Start	751	End	4225
Name	OJ990923_12.9C01.C14.o1.gp	Method	AAT/GAP
Start	2973	End	4225
GI	271_1.R1084	Score	1842
Exons	2973..3114, 3207..3593, 3805..4225		
GI Descrip.	'1486503 2.0e-72 (U57641) LEA-like protein [Oryza sativa]'		

Seq. No.	2296	Seq. ID	OJ990923_12.9C01.C14
Gene No.	4803	Strand	+
Start	751	End	4225
Name	OJ990923_12.9C01.C14.o1.np	Method	AAT/NAP
Start	3055	End	3957
GI	1486503	Score	918
Exons	3055..3114, 3207..3593, 3805..3957		
GI Descrip.	(U57641) LEA-like protein [Oryza sativa]		

Seq. No.	2296	Seq. ID	OJ990923_12.9C01.C14
Gene No.	4804	Strand	+
Start	4655	End	11161
Name	OJ990923_12.9C01.C14.o2.gs	Method	GENSCAN
Start	4655	End	11111
GI	none	Score	.6
Exons	4655..4713, 5723..6104, 6150..6226, 6444..6529, 7075..7160, 7266..7451, 9253..9428, 10420..10474, 11043..11111		

Seq. No.	2296	Seq. ID	OJ990923_12.9C01.C14

Gene No.	4804	Strand	+
Start	4655	End	11161
Name	OJ990923_12.9C01.C14.o2.gp	Method	AAT/GAP
Start	5905	End	6529
GI	76522_1.R1084	Score	766
Exons	5905..6104, 6209..6333, 6440..6529		
GI Descrip.	'461033/bbs|142242 2.0e-14 (S68015) c6.1A [human, Peptide, 324 aa] [Homo sapiens]'		

Seq. No.	2296	Seq. ID	OJ990923_12.9C01.C14
Gene No.	4804	Strand	+
Start	4655	End	11161
Name	OJ990923_12.9C01.C14.o3.gp	Method	AAT/GAP
Start	7385	End	10326
GI	uC-osrocyp036b09b1	Score	871
Exons	7385..7451, 9253..9428, 10005..10163, 10249..10326		
GI Descrip.	'5902374/gb|AAD55476.1|AC009322_16 4.0e-16 (AC009322) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	2296	Seq. ID	OJ990923_12.9C01.C14
Gene No.	4804	Strand	+
Start	4655	End	11161
Name	OJ990923_12.9C01.C14.o4.gp	Method	AAT/GAP
Start	10596	End	11161
GI	none	Score	1050
Exons	10596..11161		

Seq. No.	2296	Seq. ID	OJ990923_12.9C01.C14
Gene No.	4805	Strand	+
Start	13041	End	13376
Name	OJ990923_12.9C01.C14.o3.gs	Method	GENSCAN
Start	13041	End	13376
GI	none	Score	.9
Exons	13041..13376		

Seq. No.	2296	Seq. ID	OJ990923_12.9C01.C14
Gene No.	4806	Strand	+
Start	14084	End	21209
Name	OJ990923_12.9C01.C14.o4.gs	Method	GENSCAN
Start	14084	End	18347
GI	none	Score	.84
Exons	14084..14086, 15830..15991, 16077..16208, 16308..16478, 16556..16582, 16687..16894, 17297..17378, 17521..17629, 17777..17893, 17965..18156, 18192..18347		

Seq. No.	2296	Seq. ID	OJ990923_12.9C01.C14
Gene No.	4806	Strand	+
Start	14084	End	21209
Name	OJ990923_12.9C01.C14.o5.gp	Method	AAT/GAP
Start	15545	End	15923
GI	none	Score	754
Exons	15545..15923		

Seq. No.	2296	Seq. ID	OJ990923_12.9C01.C14
Gene No.	4806	Strand	+
Start	14084	End	21209
Name	OJ990923_12.9C01.C14.o2.np	Method	AAT/NAP

Start	15797	End	18296
GI	5902387	Score	711
Exons	15797..15991, 16077..16208, 16308..16499, 16687..16894, 17297..17378, 17521..17629, 17777..17930, 18011..18296		
GI Descrip.	(AC009322) Similar to polygalacturonases [Arabidopsis thaliana]		

Seq. No.	2296	Seq. ID	OJ990923_12.9C01.C14
Gene No.	4806	Strand	+
Start	14084	End	21209
Name	OJ990923_12.9C01.C14.o6.gp	Method	AAT/GAP
Start	16291	End	16901
GI	LIB3434-005-P1-K1-B7	Score	753
Exons	16291..16478, 16556..16582, 16687..16901		
GI Descrip.	'5902387/gb|AAD55489.1|AC009322_29 8.0e-31 (AC009322) Similar to polygalacturonases [Arabidopsis thaliana]'		

Seq. No.	2296	Seq. ID	OJ990923_12.9C01.C14
Gene No.	4806	Strand	+
Start	14084	End	21209
Name	OJ990923_12.9C01.C14.o3.np	Method	AAT/NAP
Start	17483	End	20995
GI	4056431	Score	506
Exons	17483..17507, 18844..18910, 18987..19131, 19201..19367, 19607..19824, 19998..20079, 20232..20340, 20459..20583, 20710..20995		
GI Descrip.	(AC005990) Similar to gb|AJ002532 endo-polygalacturonase from Arabidopsis thaliana and is a member of the polygalacturonase family PF|00295. [Arabidopsis thaliana]		

Seq. No.	2296	Seq. ID	OJ990923_12.9C01.C14
Gene No.	4806	Strand	+
Start	14084	End	21209
Name	OJ990923_12.9C01.C14.o7.gp	Method	AAT/GAP
Start	18222	End	18565
GI	3761205	Score	604
Exons	18222..18565		

Seq. No.	2296	Seq. ID	OJ990923_12.9C01.C14
Gene No.	4806	Strand	+
Start	14084	End	21209
Name	OJ990923_12.9C01.C14.o8.gp	Method	AAT/GAP
Start	18732	End	19509
GI	29681_1.R1084	Score	910
Exons	18732..18909, 18987..19116, 19201..19383, 19479..19509		
GI Descrip.	'5902387/gb|AAD55489.1|AC009322_29 7.0e-21 (AC009322) Similar to polygalacturonases [Arabidopsis thaliana]'		

Seq. No.	2296	Seq. ID	OJ990923_12.9C01.C14
Gene No.	4806	Strand	+
Start	14084	End	21209
Name	OJ990923_12.9C01.C14.o5.gs	Method	GENSCAN
Start	18768	End	21019
GI	none	Score	.98
Exons	18768..18908, 19201..19383, 19479..19505, 19617..19824, 19998..20079, 20232..20340, 20459..20578, 20702..21019		

Seq. No.	2296	Seq. ID	OJ990923_12.9C01.C14

Gene No.	4806	Strand	+
Start	14084	End	21209
Name	OJ990923_12.9C01.C14.o9.gp	Method	AAT/GAP
Start	20253	End	21209
GI	3137_1.R1084	Score	1388
Exons	20253..20340, 20459..20578, 20702..21209		
GI Descrip.	'5902387/gb|AAD55489.1|AC009322_29 9.0e-25 (AC009322) Similar to polygalacturonases [Arabidopsis thaliana]'		

Seq. No.	2296	Seq. ID	OJ990923_12.9C01.C14
Gene No.	4807	Strand	+
Start	23879	End	25177
Name	OJ990923_12.9C01.C14.o10.gp	Method	AAT/GAP
Start	23713	End	25177
GI	none	Score	1977
Exons	23713..24076, 24502..25177		

Seq. No.	2296	Seq. ID	OJ990923_12.9C01.C14
Gene No.	4807	Strand	+
Start	23879	End	25177
Name	OJ990923_12.9C01.C14.o6.gs	Method	GENSCAN
Start	23879	End	24924
GI	none	Score	1
Exons	23879..24076, 24502..24924		

Seq. No.	2296	Seq. ID	OJ990923_12.9C01.C14
Gene No.	4808	Strand	-
Start	28315	End	31317
Name	OJ990923_12.9C01.C14.o6.tm	Method	TBLASTX:Maize
Start	3036	End	3568
GI	none	Score	94
Exons	3036..3122, 3052..3123, 3185..3229, 3195..3437, 3440..3568, 3455..3514		

Seq. No.	2296	Seq. ID	OJ990923_12.9C01.C14
Gene No.	4808	Strand	-
Start	28315	End	31317
Name	OJ990923_12.9C01.C14.o3.tm	Method	TBLASTX:Maize
Start	5987	End	7315
GI	none	Score	169
Exons	5987..6100, 5994..6110, 6187..6267, 6188..6334, 6436..6528, 6450..6530, 6450..6527, 7072..7161, 7073..7162, 7074..7163, 7074..7166, 7075..7167, 7264..7314, 7265..7315, 7265..7315		

Seq. No.	2296	Seq. ID	OJ990923_12.9C01.C14
Gene No.	4808	Strand	-
Start	28315	End	31317
Name	OJ990923_12.9C01.C14.o3.ts	Method	TBLASTX:Soybean
Start	10027	End	10335
GI	none	Score	144
Exons	10027..10155, 10037..10165, 10090..10164, 10246..10335, 10250..10330		

Seq. No.	2296	Seq. ID	OJ990923_12.9C01.C14
Gene No.	4808	Strand	-
Start	28315	End	31317
Name	OJ990923_12.9C01.C14.o4.tm	Method	TBLASTX:Maize

Start	10122	End	10804
GI	none	Score	45
Exons	10122..10160, 10122..10172, 10250..10273, 10252..10329, 10253..10333, 10264..10341, 10416..10475, 10418..10474, 10421..10480, 10547..10675, 10594..10716, 10594..10677, 10595..10708, 10676..10720, 10681..10728, 10760..10804		

Seq. No.	2296	Seq. ID	OJ990923_12.9C01.C14
Gene No.	4808	Strand	-
Start	28315	End	31317
Name	OJ990923_12.9C01.C14.o2.tm	Method	TBLASTX:Maize
Start	16684	End	20319
GI	none	Score	282
Exons	16684..16908, 16686..16895, 17295..17378, 17296..17382, 17315..17407, 17315..17407, 17496..17606, 17518..17607, 17519..17608, 19596..19826, 19614..19823, 19616..19825, 19997..20083, 20011..20079, 20227..20319		

Seq. No.	2296	Seq. ID	OJ990923_12.9C01.C14
Gene No.	4808	Strand	-
Start	28315	End	31317
Name	OJ990923_12.9C01.C14.o11.gp	Method	AAT/GAP
Start	27884	End	28400
GI	none	Score	906
Exons	27884..28400		

Seq. No.	2296	Seq. ID	OJ990923_12.9C01.C14
Gene No.	4808	Strand	-
Start	28315	End	31317
Name	OJ990923_12.9C01.C14.o1.tm	Method	TBLASTX:Maize
Start	28295	End	30759
GI	none	Score	111
Exons	28295..28414, 28311..28415, 28311..28415, 28315..28416, 28315..28419, 28440..28628, 28504..28629, 28504..28629, 28506..28640, 28716..28862, 28717..28863, 28719..28862, 28961..29059, 28963..29073, 28964..29071, 29112..29243, 29114..29251, 29146..29244, 29307..29459, 29347..29466, 29349..29459, 29356..29460, 30037..30141, 30045..30134, 30046..30135, 30222..30410, 30223..30402, 30224..30442, 30224..30403, 30508..30570, 30510..30563, 30667..30759, 30668..30757		

Seq. No.	2296	Seq. ID	OJ990923_12.9C01.C14
Gene No.	4808	Strand	-
Start	28315	End	31317
Name	OJ990923_12.9C01.C14.o4.ts	Method	TBLASTX:Soybean
Start	28315	End	28590
GI	none	Score	72
Exons	28315..28374, 28319..28375, 28370..28417, 28375..28419, 28497..28571, 28497..28589, 28498..28590		

Seq. No.	2296	Seq. ID	OJ990923_12.9C01.C14
Gene No.	4808	Strand	-
Start	28315	End	31317
Name	OJ990923_12.9C01.C14.o8.gs	Method	GENSCAN
Start	28315	End	31035
GI	none	Score	.9

Exons	28315..28413, 28506..28628, 28719..28860, 28959..29056, 29147..29243, 29350..29457, 30035..30138, 30305..30403, 30508..30570, 30673..30873, 30904..31035		
Seq. No.	2296	Seq. ID	OJ990923_12.9C01.C14
Gene No.	4808	Strand	-
Start	28315	End	31317
Name	OJ990923_12.9C01.C14.o4.np	Method	AAT/NAP
Start	28318	End	31032
GI	2462748	Score	1644
Exons	28318..28413, 28506..28628, 28719..28860, 28959..29056, 29147..29243, 29350..29457, 30035..30138, 30227..30403, 30508..30570, 30673..30822, 30904..31032		
GI Descrip.	(AC002292) putative Clathrin Coat Assembly protein [Arabidopsis thaliana]		
Seq. No.	2296	Seq. ID	OJ990923_12.9C01.C14
Gene No.	4808	Strand	-
Start	28315	End	31317
Name	OJ990923_12.9C01.C14.o1.tw	Method	TBLASTX:Wheat
Start	28327	End	28860
GI	none	Score	123
Exons	28327..28419, 28328..28414, 28440..28628, 28504..28629, 28574..28639, 28712..28813, 28716..28853, 28717..28860, 28717..28854, 28718..28858, 28719..28859		
Seq. No.	2296	Seq. ID	OJ990923_12.9C01.C14
Gene No.	4808	Strand	-
Start	28315	End	31317
Name	OJ990923_12.9C01.C14.o1.tc	Method	TBLASTX:Cress
Start	28348	End	29056
GI	none	Score	57
Exons	28348..28419, 28349..28414, 28440..28628, 28504..28629, 28506..28640, 28717..28863, 28719..28862, 28961..29056, 28964..29047		
Seq. No.	2296	Seq. ID	OJ990923_12.9C01.C14
Gene No.	4808	Strand	-
Start	28315	End	31317
Name	OJ990923_12.9C01.C14.o12.gp	Method	AAT/GAP
Start	28579	End	29076
GI	uC-osflcyp179h05b1	Score	520
Exons	28579..28628, 28719..28860, 28959..29076		
GI Descrip.	'2462748 4.0e-51 (AC002292) putative Clathrin Coat Assembly protein [Arabidopsis thaliana]'		
Seq. No.	2296	Seq. ID	OJ990923_12.9C01.C14
Gene No.	4808	Strand	-
Start	28315	End	31317
Name	OJ990923_12.9C01.C14.o1.ts	Method	TBLASTX:Soybean
Start	28591	End	30558
GI	none	Score	46
Exons	28591..28629, 28593..28628, 28712..28798, 28717..28863, 28717..28797, 28719..28862, 28961..29059, 28986..29060, 29114..29251, 29136..29243, 29307..29459, 29313..29459, 29356..29460, 30037..30141, 30045..30140, 30046..30141, 30222..30410, 30224..30442, 30224..30403, 30508..30558		

Seq. No.	2296	Seq. ID	OJ990923_12.9C01.C14
Gene No.	4808	Strand	-
Start	28315	End	31317
Name	OJ990923_12.9C01.C14.o13.gp	Method	AAT/GAP
Start	28677	End	29174
GI	uC-osflcyp179h05b1	Score	456
Exons	28677..28860, 28959..29056, 29147..29174		
GI Descrip.	'2462748 4.0e-51 (AC002292) putative Clathrin Coat Assembly protein [Arabidopsis thaliana]'		

Seq. No.	2296	Seq. ID	OJ990923_12.9C01.C14
Gene No.	4808	Strand	-
Start	28315	End	31317
Name	OJ990923_12.9C01.C14.o2.tc	Method	TBLASTX:Cress
Start	30377	End	31030
GI	none	Score	39
Exons	30377..30403, 30378..30410, 30508..30570, 30516..30563, 30667..30786, 30671..30787, 30904..31017, 30905..31030		

Seq. No.	2296	Seq. ID	OJ990923_12.9C01.C14
Gene No.	4808	Strand	-
Start	28315	End	31317
Name	OJ990923_12.9C01.C14.o2.ts	Method	TBLASTX:Soybean
Start	30667	End	31030
GI	none	Score	111
Exons	30667..30786, 30668..30796, 30784..30825, 30904..31017, 30911..31030		

Seq. No.	2296	Seq. ID	OJ990923_12.9C01.C14
Gene No.	4808	Strand	-
Start	28315	End	31317
Name	OJ990923_12.9C01.C14.o5.tm	Method	TBLASTX:Maize
Start	30760	End	31317
GI	none	Score	68
Exons	30760..30825, 30761..30856, 30904..31020, 30905..31048, 31054..31083, 31196..31237, 31234..31317		

Seq. No.	2297	Seq. ID	OJ990923_12.9C01.C15
Gene No.	4809	Strand	+
Start	483	End	2205
Name	OJ990923_12.9C01.C15.o1.gs	Method	GENSCAN
Start	483	End	2130
GI	none	Score	.56
Exons	483..620, 1548..2130		

Seq. No.	2297	Seq. ID	OJ990923_12.9C01.C15
Gene No.	4809	Strand	+
Start	483	End	2205
Name	OJ990923_12.9C01.C15.o1.gp	Method	AAT/GAP
Start	551	End	1910
GI	47468_1.R1084	Score	856
Exons	551..689, 1548..1910		
GI Descrip.	'4680192/gb|AAD27557.1|AF111710_3 1.0e-49 (AF111710) hypothetical protein [Oryza sativa subsp. indica]'		

Seq. No.	2297	Seq. ID	OJ990923_12.9C01.C15

Gene No.	4809	Strand	+
Start	483	End	2205
Name	OJ990923_12.9C01.C15.o1.tm	Method	TBLASTX:Maize
Start	1548	End	2205
GI	none	Score	931
Exons	1548..2036, 1588..2205, 1588..2202, 1961..2203, 2085..2204		

Seq. No.	2297	Seq. ID	OJ990923_12.9C01.C15
Gene No.	4809	Strand	+
Start	483	End	2205
Name	OJ990923_12.9C01.C15.o1.np	Method	AAT/NAP
Start	1573	End	2205
GI	4680192	Score	1071
Exons	1573..2205		
GI Descrip.	(AF111710) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	2297	Seq. ID	OJ990923_12.9C01.C15
Gene No.	4809	Strand	+
Start	483	End	2205
Name	OJ990923_12.9C01.C15.o1.ts	Method	TBLASTX:Soybean
Start	1587	End	1998
GI	none	Score	126
Exons	1587..1835, 1597..1995, 1608..1778, 1615..1998		

Seq. No.	2297	Seq. ID	OJ990923_12.9C01.C15
Gene No.	4809	Strand	+
Start	483	End	2205
Name	OJ990923_12.9C01.C15.o1.tc	Method	TBLASTX:Cress
Start	1813	End	2168
GI	none	Score	104
Exons	1813..1908, 1818..1907, 1900..2166, 1939..2166, 2100..2168		

Seq. No.	2298	Seq. ID	OJ990923_12.9C01.C16
Gene No.	4810	Strand	+
Start	669	End	1065
Name	OJ990923_12.9C01.C16.o1.np	Method	AAT/NAP
Start	669	End	1065
GI	4680192	Score	510
Exons	669..913, 996..1065		
GI Descrip.	(AF111710) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	2298	Seq. ID	OJ990923_12.9C01.C16
Gene No.	4810	Strand	+
Start	669	End	1065
Name	OJ990923_12.9C01.C16.o1.gs	Method	GENSCAN
Start	671	End	913
GI	none	Score	.73
Exons	671..913		

Seq. No.	2298	Seq. ID	OJ990923_12.9C01.C16
Gene No.	4810	Strand	+
Start	669	End	1065
Name	OJ990923_12.9C01.C16.o1.gp	Method	AAT/GAP
Start	680	End	1065
GI	702106	Score	588
Exons	680..913, 996..1065		
GI Descrip.	4680192/gb|AAD27557.1|AF111710_3 3.0e-21 (AF111710) hypothetical		

protein [Oryza sativa subsp. indica]

Seq. No.	2298	Seq. ID	OJ990923_12.9C01.C16
Gene No.	4810	Strand	+
Start	669	End	1065
Name	OJ990923_12.9C01.C16.o1.tm	Method	TBLASTX:Maize
Start	752	End	1065
GI	none	Score	120
Exons	752..913, 853..912, 860..913, 995..1063, 996..1064, 997..1065		

Seq. No.	2299	Seq. ID	OJ990903_12.9C01.C1
Gene No.	4811	Strand	+
Start	265	End	843
Name	OJ990903_12.9C01.C1.o1.gs	Method	GENSCAN
Start	265	End	843
GI	none	Score	.93
Exons	265..843		

Seq. No.	2299	Seq. ID	OJ990903_12.9C01.C1
Gene No.	4812	Strand	+
Start	2339	End	6751
Name	OJ990903_12.9C01.C1.o2.gs	Method	GENSCAN
Start	2339	End	6751
GI	none	Score	.8
Exons	2339..2737, 3697..4002, 5470..5580, 5842..6018, 6249..6603, 6702..6751		

Seq. No.	2299	Seq. ID	OJ990903_12.9C01.C1
Gene No.	4812	Strand	+
Start	2339	End	6751
Name	OJ990903_12.9C01.C1.o1.gp	Method	AAT/GAP
Start	2959	End	3987
GI	LIB3431-006-P1-K1-C5	Score	822
Exons	2959..3105, 3697..3987		
GI Descrip.	'2191175 5.0e-21 (AF007270) A_IG002P16.24 gene product [Arabidopsis thaliana]'		

Seq. No.	2299	Seq. ID	OJ990903_12.9C01.C1
Gene No.	4813	Strand	-
Start	7337	End	7795
Name	OJ990903_12.9C01.C1.o2.tm	Method	TBLASTX:Maize
Start	601	End	840
GI	none	Score	163
Exons	601..741, 601..729, 626..736, 736..831, 787..840		

Seq. No.	2299	Seq. ID	OJ990903_12.9C01.C1
Gene No.	4813	Strand	-
Start	7337	End	7795
Name	OJ990903_12.9C01.C1.o1.tc	Method	TBLASTX:Cress
Start	3694	End	5997
GI	none	Score	95
Exons	3694..3825, 3705..4001, 3706..3999, 4507..4755, 5851..5997, 5851..5970		

Seq. No.	2299	Seq. ID	OJ990903_12.9C01.C1
Gene No.	4813	Strand	-
Start	7337	End	7795

Name	OJ990903_12.9C01.C1.o1.ts	Method	TBLASTX:Soybean
Start	3694	End	5988
GI	none	Score	129
Exons	3694..3984, 3699..3863, 3700..3999, 3700..3987, 3705..4001, 3706..4002, 4101..4160, 4101..4160, 4486..4731, 4501..4755, 4503..4745, 4507..4755, 5469..5567, 5470..5568, 5845..5961, 5851..5988, 5854..5970		

Seq. No.	2299	Seq. ID	OJ990903_12.9C01.C1
Gene No.	4813	Strand	-
Start	7337	End	7795
Name	OJ990903_12.9C01.C1.o1.tm	Method	TBLASTX:Maize
Start	3700	End	5988
GI	none	Score	115
Exons	3700..3843, 3723..3800, 3724..3801, 3904..4002, 3907..4017, 3917..4003, 3919..4020, 4088..4159, 4088..4159, 4090..4164, 4099..4161, 4447..4590, 4476..4589, 5827..5988		

Seq. No.	2299	Seq. ID	OJ990903_12.9C01.C1
Gene No.	4813	Strand	-
Start	7337	End	7795
Name	OJ990903_12.9C01.C1.o3.gs	Method	GENSCAN
Start	7337	End	7795
GI	none	Score	.57
Exons	7337..7357, 7466..7795		

Seq. No.	2300	Seq. ID	OJ990903_12.9C01.C2
Gene No.	4814	Strand	-
Start	39	End	1294
Name	OJ990903_12.9C01.C2.o1.gs	Method	GENSCAN
Start	39	End	1294
GI	none	Score	.59
Exons	39..341, 473..607, 672..1033, 1123..1294		

Seq. No.	2300	Seq. ID	OJ990903_12.9C01.C2
Gene No.	4814	Strand	-
Start	39	End	1294
Name	OJ990903_12.9C01.C2.o1.gp	Method	AAT/GAP
Start	178	End	560
GI	3061069	Score	524
Exons	178..371, 473..560		

Seq. No.	2300	Seq. ID	OJ990903_12.9C01.C2
Gene No.	4815	Strand	-
Start	1868	End	9933
Name	OJ990903_12.9C01.C2.o2.gs	Method	GENSCAN
Start	1868	End	9881
GI	none	Score	.7
Exons	1868..2437, 2540..2672, 3721..3765, 4062..4141, 4459..4655, 4800..5687, 6834..7589, 9008..9120, 9125..9162, 9753..9881		

Seq. No.	2300	Seq. ID	OJ990903_12.9C01.C2
Gene No.	4815	Strand	-
Start	1868	End	9933
Name	OJ990903_12.9C01.C2.o4.tm	Method	TBLASTX:Maize
Start	3450	End	3982
GI	none	Score	46

Exons	3450..3509, 3553..3606, 3553..3612, 3560..3613, 3721..3780, 3723..3791, 3723..3779, 3759..3812, 3800..3874, 3801..3875, 3820..3873, 3830..3877, 3892..3918, 3893..3919, 3894..3920, 3921..3974, 3922..3981, 3922..3981, 3923..3982		
Seq. No.	2300	Seq. ID	OJ990903_12.9C01.C2
Gene No.	4815	Strand	-
Start	1868	End	9933
Name	OJ990903_12.9C01.C2.o1.np	Method	AAT/NAP
Start	3717	End	7410
GI	2275211	Score	2428
Exons	3717..4102, 4227..4263, 4459..5687, 6834..7410		
GI Descrip.	(AC002337) putative ATP-dependent RNA helicase [Arabidopsis thaliana]		
Seq. No.	2300	Seq. ID	OJ990903_12.9C01.C2
Gene No.	4815	Strand	-
Start	1868	End	9933
Name	OJ990903_12.9C01.C2.o1.tm	Method	TBLASTX:Maize
Start	4024	End	5013
GI	none	Score	338
Exons	4024..4077, 4457..4759, 4459..5013, 4702..5013		
Seq. No.	2300	Seq. ID	OJ990903_12.9C01.C2
Gene No.	4815	Strand	-
Start	1868	End	9933
Name	OJ990903_12.9C01.C2.o3.ts	Method	TBLASTX:Soybean
Start	4457	End	4665
GI	none	Score	219
Exons	4457..4663, 4459..4665		
Seq. No.	2300	Seq. ID	OJ990903_12.9C01.C2
Gene No.	4815	Strand	-
Start	1868	End	9933
Name	OJ990903_12.9C01.C2.o1.tw	Method	TBLASTX:Wheat
Start	4579	End	5301
GI	none	Score	66
Exons	4579..4860, 4942..5301, 5102..5296		
Seq. No.	2300	Seq. ID	OJ990903_12.9C01.C2
Gene No.	4815	Strand	-
Start	1868	End	9933
Name	OJ990903_12.9C01.C2.o1.tc	Method	TBLASTX:Cress
Start	4585	End	5706
GI	none	Score	87
Exons	4585..4899, 4972..5223, 4972..5388, 5198..5365, 5419..5706, 5453..5647		
Seq. No.	2300	Seq. ID	OJ990903_12.9C01.C2
Gene No.	4815	Strand	-
Start	1868	End	9933
Name	OJ990903_12.9C01.C2.o2.gp	Method	AAT/GAP
Start	4849	End	5359
GI	uC-osroM202036e09b1	Score	994
Exons	4849..5359		
GI Descrip.	'2275211 3.0e-80 (AC002337) RNA helicase isolog [Arabidopsis thaliana]'		

Seq. No.	2300	Seq. ID	OJ990903_12.9C01.C2
Gene No.	4815	Strand	-
Start	1868	End	9933
Name	OJ990903_12.9C01.C2.o1.ts	Method	TBLASTX:Soybean
Start	4927	End	5607
GI	none	Score	520
Exons	4927..5601, 4927..5607		

Seq. No.	2300	Seq. ID	OJ990903_12.9C01.C2
Gene No.	4815	Strand	-
Start	1868	End	9933
Name	OJ990903_12.9C01.C2.o2.tm	Method	TBLASTX:Maize
Start	5036	End	5697
GI	none	Score	103
Exons	5036..5176, 5038..5697, 5068..5550, 5447..5689		

Seq. No.	2300	Seq. ID	OJ990903_12.9C01.C2
Gene No.	4815	Strand	-
Start	1868	End	9933
Name	OJ990903_12.9C01.C2.o2.ts	Method	TBLASTX:Soybean
Start	5608	End	7215
GI	none	Score	115
Exons	5608..5697, 5609..5698, 6832..7173, 6843..6932, 6929..6976, 6997..7110, 7096..7215		

Seq. No.	2300	Seq. ID	OJ990903_12.9C01.C2
Gene No.	4815	Strand	-
Start	1868	End	9933
Name	OJ990903_12.9C01.C2.o3.tm	Method	TBLASTX:Maize
Start	6997	End	7408
GI	none	Score	85
Exons	6997..7155, 7000..7110, 7096..7215, 7183..7224, 7318..7407, 7340..7408, 7352..7408		

Seq. No.	2300	Seq. ID	OJ990903_12.9C01.C2
Gene No.	4815	Strand	-
Start	1868	End	9933
Name	OJ990903_12.9C01.C2.o2.np	Method	AAT/NAP
Start	9032	End	9933
GI	3150407	Score	46
Exons	9032..9197, 9773..9933		
GI Descrip.	(AC004165) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2301	Seq. ID	OJ990903_12.9C01.C3
Gene No.	4816	Strand	+
Start	469	End	5158
Name	OJ990903_12.9C01.C3.o1.gs	Method	GENSCAN
Start	469	End	5152
GI	none	Score	.54
Exons	469..546, 1041..1087, 2350..2457, 2630..2699, 4471..4586, 4692..4803, 4886..5152		

Seq. No.	2301	Seq. ID	OJ990903_12.9C01.C3
Gene No.	4816	Strand	+
Start	469	End	5158
Name	OJ990903_12.9C01.C3.o1.tc	Method	TBLASTX:Cress

Start	3889	End	4563
GI	none	Score	209
Exons	3889..3969, 3890..4048, 3914..4057, 4292..4366, 4293..4367, 4465..4554, 4468..4563, 4469..4558		

Seq. No.	2301	Seq. ID	OJ990903_12.9C01.C3
Gene No.	4816	Strand	+
Start	469	End	5158
Name	OJ990903_12.9C01.C3.o1.tm	Method	TBLASTX:Maize
Start	3911	End	4566
GI	none	Score	231
Exons	3911..4057, 3914..4048, 3915..4061, 3916..4056, 4289..4363, 4292..4363, 4293..4367, 4463..4564, 4468..4566		

Seq. No.	2301	Seq. ID	OJ990903_12.9C01.C3
Gene No.	4816	Strand	+
Start	469	End	5158
Name	OJ990903_12.9C01.C3.o1.np	Method	AAT/NAP
Start	3914	End	5152
GI	2191175	Score	522
Exons	3914..4048, 4293..4367, 4471..4586, 4692..4803, 4886..5011, 5061..5152		
GI Descrip.	(AF007270) A_IG002P16.24 gene product [Arabidopsis thaliana]		

Seq. No.	2301	Seq. ID	OJ990903_12.9C01.C3
Gene No.	4816	Strand	+
Start	469	End	5158
Name	OJ990903_12.9C01.C3.o2.tm	Method	TBLASTX:Maize
Start	4686	End	4957
GI	none	Score	105
Exons	4686..4805, 4692..4793, 4693..4806, 4853..4957, 4883..4936, 4885..4956		

Seq. No.	2301	Seq. ID	OJ990903_12.9C01.C3
Gene No.	4816	Strand	+
Start	469	End	5158
Name	OJ990903_12.9C01.C3.o1.gp	Method	AAT/GAP
Start	4873	End	5158
GI	2431266	Score	295
Exons	4873..5008, 5105..5158		
GI Descrip.	2191175 5.0e-21 (AF007270) A_IG002P16.24 gene product [Arabidopsis thaliana]		

Seq. No.	2302	Seq. ID	OJ990903_12.9C01.C5
Gene No.	4817	Strand	+
Start	1	End	3062
Name	OJ990903_12.9C01.C5.o1.np	Method	AAT/NAP
Start	1	End	2665
GI	2191175	Score	515
Exons	1..391, 708..859, 1466..1663, 1789..1989, 2146..2216, 2459..2665		
GI Descrip.	(AF007270) A_IG002P16.24 gene product [Arabidopsis thaliana]		

Seq. No.	2302	Seq. ID	OJ990903_12.9C01.C5
Gene No.	4817	Strand	+
Start	1	End	3062
Name	OJ990903_12.9C01.C5.o1.tm	Method	TBLASTX:Maize
Start	20	End	3062

GI	none	Score	222
Exons	20..175, 21..194, 173..232, 173..265, 178..273, 226..273, 280..315, 331..393, 333..410, 701..853, 702..851, 703..852, 744..854, 971..1042, 976..1041, 1130..1252, 1131..1256, 1465..1611, 1469..1675, 1472..1702, 1780..1938, 1786..1935, 2069..2215, 2082..2216, 2447..2665, 2458..2661, 2462..2665, 2786..2863, 2794..2892, 2820..2894, 2821..2901, 2916..2954, 3033..3062		

Seq. No.	2302	Seq. ID	OJ990903_12.9C01.C5
Gene No.	4817	Strand	+
Start	1	End	3062
Name	OJ990903_12.9C01.C5.o1.gs	Method	GENSCAN
Start	60	End	2884
GI	none	Score	.8
Exons	60..410, 704..853, 974..1049, 1129..1253, 1472..1663, 1789..1929, 2082..2216, 2459..2659, 2765..2884		

Seq. No.	2302	Seq. ID	OJ990903_12.9C01.C5
Gene No.	4817	Strand	+
Start	1	End	3062
Name	OJ990903_12.9C01.C5.o1.gp	Method	AAT/GAP
Start	1559	End	2216
GI	58434_1.R1084	Score	704
Exons	1559..1663, 1789..1929, 2082..2216		
GI Descrip.	'2191175 3.0e-17 (AF007270) A_IG002P16.24 gene product [Arabidopsis thaliana]'		

Seq. No.	2302	Seq. ID	OJ990903_12.9C01.C5
Gene No.	4817	Strand	+
Start	1	End	3062
Name	OJ990903_12.9C01.C5.o2.gp	Method	AAT/GAP
Start	1633	End	2220
GI	58434_1.R1084	Score	553
Exons	1633..1663, 1789..1929, 2082..2220		
GI Descrip.	'2191175 3.0e-17 (AF007270) A_IG002P16.24 gene product [Arabidopsis thaliana]'		

Seq. No.	2302	Seq. ID	OJ990903_12.9C01.C5
Gene No.	4817	Strand	+
Start	1	End	3062
Name	OJ990903_12.9C01.C5.o3.gp	Method	AAT/GAP
Start	1785	End	2583
GI	58434_1.R1084	Score	744
Exons	1785..1929, 2082..2216, 2459..2583		
GI Descrip.	'2191175 3.0e-17 (AF007270) A_IG002P16.24 gene product [Arabidopsis thaliana]'		

Seq. No.	2302	Seq. ID	OJ990903_12.9C01.C5
Gene No.	4817	Strand	+
Start	1	End	3062
Name	OJ990903_12.9C01.C5.o4.gp	Method	AAT/GAP
Start	2029	End	2827
GI	58434_1.R1084	Score	699
Exons	2029..2216, 2459..2659, 2765..2827		
GI Descrip.	'2191175 3.0e-17 (AF007270) A_IG002P16.24 gene product [Arabidopsis thaliana]'		

Seq. No.	2303	Seq. ID	OJ990903_12.9C01.C6
Gene No.	4818	Strand	+
Start	619	End	1102
Name	OJ990903_12.9C01.C6.o1.ts	Method	TBLASTX:Soybean
Start	616	End	861
GI	none	Score	69
Exons	616..672, 620..673, 632..679,	762..848, 763..858, 766..861	

Seq. No.	2303	Seq. ID	OJ990903_12.9C01.C6
Gene No.	4818	Strand	+
Start	619	End	1102
Name	OJ990903_12.9C01.C6.o1.np	Method	AAT/NAP
Start	619	End	1102
GI	4887543	Score	171
Exons	619..671, 764..852, 1071..1102		
GI Descrip.	(AJ012278) ATP-dependent Clp protease subunit ClpP [Arabidopsis thaliana] gi|5360579|dbj|BAA82065.1| (AB022326) nClpP1 [Arabidopsis thaliana]		

Seq. No.	2303	Seq. ID	OJ990903_12.9C01.C6
Gene No.	4818	Strand	+
Start	619	End	1102
Name	OJ990903_12.9C01.C6.o1.gs	Method	GENSCAN
Start	796	End	852
GI	none	Score	.75
Exons	796..852		

Seq. No.	2304	Seq. ID	OJ990903_12.9C01.C7
Gene No.	4819	Strand	-
Start	1	End	151
Name	OJ990903_12.9C01.C7.o1.np	Method	AAT/NAP
Start	1	End	151
GI	3914006	Score	125
Exons	1..151		
GI Descrip.	MITOCHONDRIAL LON PROTEASE HOMOLOG 2 PRECURSOR gi|1816588 (U85495) LON2 [Zea mays]		

Seq. No.	2305	Seq. ID	OJ990903_12.9C01.C8
Gene No.	4820	Strand	-
Start	283	End	979
Name	OJ990903_12.9C01.C8.o1.gp	Method	AAT/GAP
Start	283	End	979
GI	44292_1.R1084	Score	702
Exons	283..394, 476..599, 719..808,	892..979	
GI Descrip.	'3687239 1.0e-13 (AC005169) putative clathrin coat assembly protein [Arabidopsis thaliana]'		

Seq. No.	2305	Seq. ID	OJ990903_12.9C01.C8
Gene No.	4820	Strand	-
Start	283	End	979
Name	OJ990903_12.9C01.C8.o1.tc	Method	TBLASTX:Cress
Start	288	End	601
GI	none	Score	114
Exons	288..395, 301..399, 302..406,	476..574, 480..536, 563..601	

Seq. No.	2305	Seq. ID	OJ990903_12.9C01.C8

Gene No.	4820	Strand	-
Start	283	End	979
Name	OJ990903_12.9C01.C8.o1.tm	Method	TBLASTX:Maize
Start	288	End	977
GI	none	Score	141
Exons	288..398, 302..406, 331..438, 476..601, 477..602, 509..607, 520..609, 718..741, 915..977		

Seq. No.	2305	Seq. ID	OJ990903_12.9C01.C8
Gene No.	4820	Strand	-
Start	283	End	979
Name	OJ990903_12.9C01.C8.o1.ts	Method	TBLASTX:Soybean
Start	300	End	601
GI	none	Score	110
Exons	300..395, 300..395, 302..412, 302..406, 462..539, 476..574, 480..545, 563..601		

Seq. No.	2305	Seq. ID	OJ990903_12.9C01.C8
Gene No.	4820	Strand	-
Start	283	End	979
Name	OJ990903_12.9C01.C8.o1.gs	Method	GENSCAN
Start	302	End	808
GI	none	Score	.9
Exons	302..394, 476..599, 719..808		

Seq. No.	2305	Seq. ID	OJ990903_12.9C01.C8
Gene No.	4820	Strand	-
Start	283	End	979
Name	OJ990903_12.9C01.C8.o1.np	Method	AAT/NAP
Start	302	End	739
GI	4887543	Score	189
Exons	302..394, 476..599, 719..739		
GI Descrip.	(AJ012278) ATP-dependent Clp protease subunit ClpP [Arabidopsis thaliana] gi|5360579|dbj|BAA82065.1| (AB022326) nClpP1 [Arabidopsis thaliana]		

Seq. No.	2306	Seq. ID	OJ990903_12.9C01.C9
Gene No.	4821	Strand	-
Start	56	End	737
Name	OJ990903_12.9C01.C9.o1.np	Method	AAT/NAP
Start	56	End	737
GI	6841528	Score	145
Exons	56..217, 653..737		
GI Descrip.	(AF161502) HSPC153 [Homo sapiens]		

Seq. No.	2306	Seq. ID	OJ990903_12.9C01.C9
Gene No.	4821	Strand	-
Start	56	End	737
Name	OJ990903_12.9C01.C9.o1.tw	Method	TBLASTX:Wheat
Start	80	End	268
GI	none	Score	179
Exons	80..268, 86..268		

Seq. No.	2306	Seq. ID	OJ990903_12.9C01.C9
Gene No.	4821	Strand	-
Start	56	End	737
Name	OJ990903_12.9C01.C9.o1.gp	Method	AAT/GAP

Start	86	End	737
GI	26261_1.R1084	Score	370
Exons	86..217, 653..737		
GI Descrip.	'4929621/gb|AAD34071.1|AF151834_1 1.0e-48 (AF151834) CGI-76 protein [Homo sapiens]'		

Seq. No.	2306	Seq. ID	OJ990903_12.9C01.C9
Gene No.	4821	Strand	-
Start	56	End	737
Name	OJ990903_12.9C01.C9.o1.tm	Method	TBLASTX:Maize
Start	86	End	737
GI	none	Score	132
Exons	86..217, 87..218, 135..218, 651..698, 653..703, 653..697, 658..735, 660..737		

Seq. No.	2306	Seq. ID	OJ990903_12.9C01.C9
Gene No.	4821	Strand	-
Start	56	End	737
Name	OJ990903_12.9C01.C9.o1.ts	Method	TBLASTX:Soybean
Start	86	End	737
GI	none	Score	97
Exons	86..217, 138..218, 653..697, 684..737		

Seq. No.	2306	Seq. ID	OJ990903_12.9C01.C9
Gene No.	4821	Strand	-
Start	56	End	737
Name	OJ990903_12.9C01.C9.o1.gs	Method	GENSCAN
Start	86	End	217
GI	none	Score	.92
Exons	86..217		

Seq. No.	2306	Seq. ID	OJ990903_12.9C01.C9
Gene No.	4821	Strand	-
Start	56	End	737
Name	OJ990903_12.9C01.C9.o1.tc	Method	TBLASTX:Cress
Start	95	End	737
GI	none	Score	105
Exons	95..217, 96..218, 138..218, 653..697, 684..737		

Seq. No.	2307	Seq. ID	OJ990903_12.9C01.C10
Gene No.	4822	Strand	+
Start	4656	End	11507
Name	OJ990903_12.9C01.C10.o2.gs	Method	GENSCAN
Start	4656	End	7543
GI	none	Score	.67
Exons	4656..4746, 5515..5601, 6033..6184, 6213..6363, 6676..6828, 6848..6996, 7148..7543		

Seq. No.	2307	Seq. ID	OJ990903_12.9C01.C10
Gene No.	4822	Strand	+
Start	4656	End	11507
Name	OJ990903_12.9C01.C10.o3.np	Method	AAT/NAP
Start	6874	End	11174
GI	4185507	Score	390
Exons	6874..7026, 7148..7347, 7411..7485, 8065..8223, 8842..8926, 9045..9200, 9320..9367, 9520..9602, 10300..10823, 10875..10948, 11037..11174		

GI Descrip. (AF100163) EZA1 [Arabidopsis thaliana]

Seq. No.	2307	Seq. ID	OJ990903_12.9C01.C10
Gene No.	4822	Strand	+
Start	4656	End	11507
Name	OJ990903_12.9C01.C10.o3.gs	Method	GENSCAN
Start	8075	End	11187
GI	none	Score	.6
Exons	8075..8223, 9320..9367, 9520..9607, 10298..10707, 11037..11187		

Seq. No.	2307	Seq. ID	OJ990903_12.9C01.C10
Gene No.	4822	Strand	+
Start	4656	End	11507
Name	OJ990903_12.9C01.C10.o4.np	Method	AAT/NAP
Start	8367	End	11507
GI	3089625	Score	95
Exons	8367..8408, 9161..9200, 9320..9342, 9495..9595, 10804..10948, 11037..11110, 11452..11507		
GI Descrip.	(AF060485) MEDEA [Arabidopsis thaliana] gi|4185497 (AF096094) fertilization-independent seed 1 protein [Arabidopsis thaliana]		

Seq. No.	2307	Seq. ID	OJ990903_12.9C01.C10
Gene No.	4823	Strand	-
Start	1	End	3482
Name	OJ990903_12.9C01.C10.o1.np	Method	AAT/NAP
Start	1	End	3384
GI	6841528	Score	365
Exons	1..71, 1509..1619, 2537..2621, 2710..2841, 3277..3384		
GI Descrip.	(AF161502) HSPC153 [Homo sapiens]		

Seq. No.	2307	Seq. ID	OJ990903_12.9C01.C10
Gene No.	4823	Strand	-
Start	1	End	3482
Name	OJ990903_12.9C01.C10.o1.gs	Method	GENSCAN
Start	930	End	3390
GI	none	Score	.84
Exons	930..1334, 1456..1619, 2537..2621, 2710..2841, 3277..3390		

Seq. No.	2307	Seq. ID	OJ990903_12.9C01.C10
Gene No.	4823	Strand	-
Start	1	End	3482
Name	OJ990903_12.9C01.C10.o1.gp	Method	AAT/GAP
Start	1291	End	3482
GI	26261_1.R1084	Score	1255
Exons	1291..1376, 1456..1619, 2537..2621, 2710..2841, 3277..3482		
GI Descrip.	'4929621/gb|AAD34071.1|AF151834_1 1.0e-48 (AF151834) CGI-76 protein [Homo sapiens]'		

Seq. No.	2307	Seq. ID	OJ990903_12.9C01.C10
Gene No.	4824	Strand	-
Start	4293	End	6216
Name	OJ990903_12.9C01.C10.o1.tm	Method	TBLASTX:Maize
Start	766	End	3403
GI	none	Score	50
Exons	766..852, 767..850, 898..1113, 907..1110, 908..1120, 1132..1203, 1220..1297, 1224..1379, 1339..1377, 1450..1623, 1457..1621, 2526..2621, 2538..2630, 2539..2622, 2710..2841, 2711..2842,		

2759..2842, 3275..3403, 3275..3397, 3277..3402

Seq. No.	2307	Seq. ID	OJ990903_12.9C01.C10
Gene No.	4824	Strand	-
Start	4293	End	6216
Name	OJ990903_12.9C01.C10.o2.ts	Method	TBLASTX:Soybean
Start	919	End	1623
GI	none	Score	66
Exons	919..1044, 970..1044, 1308..1379, 1339..1377, 1450..1623, 1457..1621		

Seq. No.	2307	Seq. ID	OJ990903_12.9C01.C10
Gene No.	4824	Strand	-
Start	4293	End	6216
Name	OJ990903_12.9C01.C10.o2.tw	Method	TBLASTX:Wheat
Start	1311	End	1636
GI	none	Score	86
Exons	1311..1397, 1328..1402, 1331..1405, 1339..1407, 1451..1636, 1453..1626		

Seq. No.	2307	Seq. ID	OJ990903_12.9C01.C10
Gene No.	4824	Strand	-
Start	4293	End	6216
Name	OJ990903_12.9C01.C10.o1.ts	Method	TBLASTX:Soybean
Start	2538	End	3379
GI	none	Score	100
Exons	2538..2630, 2539..2622, 2710..2841, 2762..2842, 3275..3379, 3277..3375, 3293..3379		

Seq. No.	2307	Seq. ID	OJ990903_12.9C01.C10
Gene No.	4824	Strand	-
Start	4293	End	6216
Name	OJ990903_12.9C01.C10.o1.tw	Method	TBLASTX:Wheat
Start	2538	End	2892
GI	none	Score	111
Exons	2538..2621, 2538..2630, 2539..2622, 2704..2892, 2710..2892		

Seq. No.	2307	Seq. ID	OJ990903_12.9C01.C10
Gene No.	4824	Strand	-
Start	4293	End	6216
Name	OJ990903_12.9C01.C10.o2.tc	Method	TBLASTX:Cress
Start	2574	End	3385
GI	none	Score	105
Exons	2574..2618, 2719..2841, 2720..2842, 2762..2842, 3275..3385, 3277..3384		

Seq. No.	2307	Seq. ID	OJ990903_12.9C01.C10
Gene No.	4824	Strand	-
Start	4293	End	6216
Name	OJ990903_12.9C01.C10.o2.np	Method	AAT/NAP
Start	4293	End	6216
GI	5725434	Score	967
Exons	4293..6216		
GI Descrip.	(AL109787) putative protein [Arabidopsis thaliana]		

Seq. No.	2307	Seq. ID	OJ990903_12.9C01.C10
Gene No.	4824	Strand	-

Start	4293	End	6216
Name	OJ990903_12.9C01.C10.o1.tc	Method	TBLASTX:Cress
Start	4301	End	4675
GI	none	Score	79
Exons	4301..4354, 4396..4545, 4403..4516, 4520..4585, 4520..4588, 4610..4675		

Seq. No.	2307	Seq. ID	OJ990903_12.9C01.C10
Gene No.	4824	Strand	-
Start	4293	End	6216
Name	OJ990903_12.9C01.C10.o3.tw	Method	TBLASTX:Wheat
Start	4942	End	5413
GI	none	Score	66
Exons	4942..5112, 4942..5133, 4943..5134, 5181..5378, 5183..5413		

Seq. No.	2307	Seq. ID	OJ990903_12.9C01.C10
Gene No.	4825	Strand	
Start	10457	End	11189
Name	OJ990903_12.9C01.C10.o2.tm	Method	TBLASTX:Maize
Start	10457	End	11189
GI	none	Score	164
Exons	10457..10672, 10458..10640, 10462..10671, 10638..10844, 10650..10799, 10664..10828, 10871..10948, 10872..10946, 10873..10956, 10990..11187, 11001..11189, 11032..11187		

Seq. No.	2308	Seq. ID	OJ990903_12.9C01.C11
Gene No.	4826	Strand	+
Start	116	End	997
Name	OJ990903_12.9C01.C11.o1.np	Method	AAT/NAP
Start	116	End	997
GI	4185507	Score	631
Exons	116..210, 301..348, 437..565, 657..734, 809..997		
GI Descrip.	(AF100163) EZA1 [Arabidopsis thaliana]		

Seq. No.	2308	Seq. ID	OJ990903_12.9C01.C11
Gene No.	4826	Strand	+
Start	116	End	997
Name	OJ990903_12.9C01.C11.o1.gs	Method	GENSCAN
Start	292	End	997
GI	none	Score	.96
Exons	292..348, 437..565, 657..734, 809..997		

Seq. No.	2308	Seq. ID	OJ990903_12.9C01.C11
Gene No.	4827	Strand	+
Start	980	End	1230
Name	OJ990903_12.9C01.C11.o1.tc	Method	TBLASTX:Cress
Start	118	End	985
GI	none	Score	70
Exons	118..207, 169..213, 298..348, 300..365, 433..561, 435..560, 437..565, 452..565, 636..740, 656..739, 806..985, 806..937, 898..954		

Seq. No.	2308	Seq. ID	OJ990903_12.9C01.C11
Gene No.	4827	Strand	+
Start	980	End	1230
Name	OJ990903_12.9C01.C11.o1.ts	Method	TBLASTX:Soybean
Start	118	End	568

GI	none	Score	128
Exons	118..213, 177..203, 298..348,	309..353,	433..567, 437..568

Seq. No.	2308	Seq. ID	OJ990903_12.9C01.C11
Gene No.	4827	Strand	+
Start	980	End	1230
Name	OJ990903_12.9C01.C11.o1.tm	Method	TBLASTX:Maize
Start	283	End	1122
GI	none	Score	99
Exons	283..348, 285..347, 293..382,	430..561,	430..561, 431..565,
	437..565, 568..738, 635..739,	636..740,	805..981, 806..1060,
	806..1039, 1013..1120, 1050..1121,		1054..1122

Seq. No.	2308	Seq. ID	OJ990903_12.9C01.C11
Gene No.	4827	Strand	+
Start	980	End	1230
Name	OJ990903_12.9C01.C11.o2.ts	Method	TBLASTX:Soybean
Start	654	End	978
GI	none	Score	140
Exons	654..740, 659..742, 805..942,	806..943,	937..978

Seq. No.	2308	Seq. ID	OJ990903_12.9C01.C11
Gene No.	4827	Strand	+
Start	980	End	1230
Name	OJ990903_12.9C01.C11.o1.gp	Method	AAT/GAP
Start	980	End	1230
GI	none	Score	470
Exons	980..1230		

Seq. No.	2309	Seq. ID	OJ990903_12.9C01.C12
Gene No.	4828	Strand	-
Start	52	End	2403
Name	OJ990903_12.9C01.C12.o1.tm	Method	TBLASTX:Maize
Start	41	End	1485
GI	none	Score	88
Exons	41..91, 106..192, 134..193,	137..199,	223..444, 239..346,
	392..424, 498..659, 543..659,	791..943,	932..1015, 1104..1166,
	1173..1295, 1174..1296, 1384..1485		

Seq. No.	2309	Seq. ID	OJ990903_12.9C01.C12
Gene No.	4828	Strand	-
Start	52	End	2403
Name	OJ990903_12.9C01.C12.o1.np	Method	AAT/NAP
Start	52	End	2037
GI	6862912	Score	681
Exons	52..421, 505..663, 825..1015,	1101..1293,	1385..1770, 1944..2037
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	2309	Seq. ID	OJ990903_12.9C01.C12
Gene No.	4828	Strand	-
Start	52	End	2403
Name	OJ990903_12.9C01.C12.o3.tc	Method	TBLASTX:Cress
Start	121	End	346
GI	none	Score	78
Exons	121..192, 143..190, 217..345,	233..346	

Seq. No.	2309	Seq. ID	OJ990903_12.9C01.C12

Gene No.	4828	Strand	-
Start	52	End	2403
Name	OJ990903_12.9C01.C12.o1.tc	Method	TBLASTX:Cress
Start	403	End	1166
GI	none	Score	41
Exons	403..426, 404..424, 498..659, 505..663, 524..658, 543..662, 800..1015, 825..1016, 835..1017, 1101..1166, 1111..1146		

Seq. No.	2309	Seq. ID	OJ990903_12.9C01.C12
Gene No.	4828	Strand	-
Start	52	End	2403
Name	OJ990903_12.9C01.C12.o1.gs	Method	GENSCAN
Start	505	End	2403
GI	none	Score	.55
Exons	505..663, 825..1025, 1529..2403		

Seq. No.	2309	Seq. ID	OJ990903_12.9C01.C12
Gene No.	4828	Strand	-
Start	52	End	2403
Name	OJ990903_12.9C01.C12.o1.tw	Method	TBLASTX:Wheat
Start	848	End	1428
GI	none	Score	75
Exons	848..952, 971..1015, 1188..1295, 1192..1296, 1373..1423, 1384..1428		

Seq. No.	2309	Seq. ID	OJ990903_12.9C01.C12
Gene No.	4828	Strand	-
Start	52	End	2403
Name	OJ990903_12.9C01.C12.o1.ts	Method	TBLASTX:Soybean
Start	1126	End	1550
GI	none	Score	128
Exons	1126..1296, 1128..1295, 1376..1525, 1384..1548, 1411..1548, 1509..1550		

Seq. No.	2309	Seq. ID	OJ990903_12.9C01.C12
Gene No.	4828	Strand	-
Start	52	End	2403
Name	OJ990903_12.9C01.C12.o2.tc	Method	TBLASTX:Cress
Start	1179	End	1557
GI	none	Score	66
Exons	1179..1295, 1207..1260, 1382..1528, 1384..1557		

Seq. No.	2310	Seq. ID	OJ990903_12.9C01.C13
Gene No.	4829	Strand	+
Start	4612	End	5133
Name	OJ990903_12.9C01.C13.o2.gp	Method	AAT/GAP
Start	4612	End	5133
GI	none	Score	844
Exons	4612..5133		

Seq. No.	2310	Seq. ID	OJ990903_12.9C01.C13
Gene No.	4830	Strand	-
Start	1	End	4574
Name	OJ990903_12.9C01.C13.o1.np	Method	AAT/NAP
Start	1	End	4574
GI	6598689	Score	1606
Exons	1..19, 1589..1988, 3004..4574		

GI Descrip. (AC007168) unknown protein [Arabidopsis thaliana]

Seq. No.	2310	Seq. ID	OJ990903_12.9C01.C13
Gene No.	4830	Strand	-
Start	1	End	4574
Name	OJ990903_12.9C01.C13.o1.gp	Method	AAT/GAP
Start	1940	End	3455
GI	uC-osrocyp011e03b1	Score	926
Exons	1940..1988, 3004..3455		
GI Descrip.	'4587584/gb|AAD25812.1|AC007232_2 1.0e-20 (AC007232) unknown protein [Arabidopsis thaliana]'		

Seq. No.	2310	Seq. ID	OJ990903_12.9C01.C13
Gene No.	4831	Strand	-
Start	5002	End	10685
Name	OJ990903_12.9C01.C13.o1.tm	Method	TBLASTX:Maize
Start	1589	End	1923
GI	none	Score	148
Exons	1589..1741, 1590..1844, 1590..1814, 1781..1867, 1787..1843, 1857..1922, 1858..1923		

Seq. No.	2310	Seq. ID	OJ990903_12.9C01.C13
Gene No.	4831	Strand	-
Start	5002	End	10685
Name	OJ990903_12.9C01.C13.o1.tc	Method	TBLASTX:Cress
Start	1590	End	1766
GI	none	Score	91
Exons	1590..1757, 1593..1766		

Seq. No.	2310	Seq. ID	OJ990903_12.9C01.C13
Gene No.	4831	Strand	-
Start	5002	End	10685
Name	OJ990903_12.9C01.C13.o2.ts	Method	TBLASTX:Soybean
Start	3394	End	3610
GI	none	Score	109
Exons	3394..3597, 3413..3610		

Seq. No.	2310	Seq. ID	OJ990903_12.9C01.C13
Gene No.	4831	Strand	-
Start	5002	End	10685
Name	OJ990903_12.9C01.C13.o2.gs	Method	GENSCAN
Start	5002	End	10685
GI	none	Score	44
Exons	5002..5543, 5766..6371, 6522..6981, 7787..7957, 8831..8859, 9065..9570, 10013..10157, 10369..10685		

Seq. No.	2310	Seq. ID	OJ990903_12.9C01.C13
Gene No.	4831	Strand	-
Start	5002	End	10685
Name	OJ990903_12.9C01.C13.o2.np	Method	AAT/NAP
Start	5014	End	9503
GI	4581119	Score	609
Exons	5014..5542, 9061..9503		
GI Descrip.	(AC005825) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2310	Seq. ID	OJ990903_12.9C01.C13
Gene No.	4831	Strand	-

Start	5002	End	10685
Name	OJ990903_12.9C01.C13.o2.tm	Method	TBLASTX:Maize
Start	5039	End	5284
GI	none	Score	260
Exons	5039..5125, 5041..5283, 5042..5284, 5216..5284		

Seq. No.	2310	Seq. ID	OJ990903_12.9C01.C13
Gene No.	4831	Strand	-
Start	5002	End	10685
Name	OJ990903_12.9C01.C13.o1.ts	Method	TBLASTX:Soybean
Start	5302	End	9383
GI	none	Score	79
Exons	5302..5409, 5303..5395, 5386..5541, 5420..5503, 5767..5835, 6025..6093, 9066..9134, 9303..9383		

Seq. No.	2310	Seq. ID	OJ990903_12.9C01.C13
Gene No.	4831	Strand	-
Start	5002	End	10685
Name	OJ990903_12.9C01.C13.o3.tm	Method	TBLASTX:Maize
Start	5305	End	5545
GI	none	Score	228
Exons	5305..5544, 5306..5545		

Seq. No.	2310	Seq. ID	OJ990903_12.9C01.C13
Gene No.	4831	Strand	-
Start	5002	End	10685
Name	OJ990903_12.9C01.C13.o3.gp	Method	AAT/GAP
Start	5340	End	9306
GI	uC-osrocyp009c04b1	Score	872
Exons	5340..5543, 9065..9306		
GI Descrip.	'4581119/gb|AAD24609.1|AC005825_16 4.0e-33 (AC005825) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	2310	Seq. ID	OJ990903_12.9C01.C13
Gene No.	4831	Strand	-
Start	5002	End	10685
Name	OJ990903_12.9C01.C13.o4.gp	Method	AAT/GAP
Start	9341	End	9721
GI	none	Score	707
Exons	9341..9721		

Seq. No.	2311	Seq. ID	OJ990903_12.9C01.C14
Gene No.	4832	Strand	+
Start	172	End	2686
Name	OJ990903_12.9C01.C14.o1.gs	Method	GENSCAN
Start	172	End	2686
GI	none	Score	.55
Exons	172..262, 2124..2321, 2550..2686		

Seq. No.	2311	Seq. ID	OJ990903_12.9C01.C14
Gene No.	4832	Strand	+
Start	172	End	2686
Name	OJ990903_12.9C01.C14.o1.gp	Method	AAT/GAP
Start	641	End	1078
GI	3763632	Score	482
Exons	641..708; 790..1078		
GI Descrip.	2935698 3.0e-22 (AF033357) G protein beta subunit [Avena fatua]		

Seq. No.	2312	Seq. ID	OJ990903_12.9C01.C15
Gene No.	4833	Strand	+
Start	1437	End	4782
Name	OJ990903_12.9C01.C15.o1.gs	Method	GENSCAN
Start	1437	End	4495
GI	none	Score	.81
Exons	1437..1490, 3139..3813, 3989..4495		

Seq. No.	2312	Seq. ID	OJ990903_12.9C01.C15
Gene No.	4833	Strand	+
Start	1437	End	4782
Name	OJ990903_12.9C01.C15.o1.gp	Method	AAT/GAP
Start	3403	End	4782
GI	86_1.R1084	Score	2623
Exons	3403..4782		
GI Descrip.	'4586378/dbj|BAA74588.2| 1.0e-175 (AB021746) nicotianamine synthase 1 [Oryza sativa]'		

Seq. No.	2312	Seq. ID	OJ990903_12.9C01.C15
Gene No.	4833	Strand	+
Start	1437	End	4782
Name	OJ990903_12.9C01.C15.o1.np	Method	AAT/NAP
Start	3499	End	4492
GI	4586378	Score	1564
Exons	3499..4492		
GI Descrip.	(AB021746) nicotianamine synthase 1 [Oryza sativa]		

Seq. No.	2312	Seq. ID	OJ990903_12.9C01.C15
Gene No.	4834	Strand	+
Start	6360	End	6779
Name	OJ990903_12.9C01.C15.o2.gp	Method	AAT/GAP
Start	6360	End	6779
GI	17636_1.R1084	Score	592
Exons	6360..6387, 6469..6779		
GI Descrip.	'4959460/gb|AF126053.1|AF126053 4.0e-10 Zea mays RACB small GTP binding protein mRNA, complete cds'		

Seq. No.	2312	Seq. ID	OJ990903_12.9C01.C15
Gene No.	4835	Strand	-
Start	6726	End	7805
Name	OJ990903_12.9C01.C15.o3.gp	Method	AAT/GAP
Start	6331	End	7805
GI	86_1.R1084	Score	1804
Exons	6331..6377, 6722..7805		
GI Descrip.	'4586378/dbj|BAA74588.2| 1.0e-175 (AB021746) nicotianamine synthase 1 [Oryza sativa]'		

Seq. No.	2312	Seq. ID	OJ990903_12.9C01.C15
Gene No.	4835	Strand	-
Start	6726	End	7805
Name	OJ990903_12.9C01.C15.o2.gs	Method	GENSCAN
Start	6726	End	7706
GI	none	Score	.99
Exons	6726..7706		

Seq. No.	2312	Seq. ID	OJ990903_12.9C01.C15

Gene No.	4835	Strand	-
Start	6726	End	7805
Name	OJ990903_12.9C01.C15.o2.np	Method	AAT/NAP
Start	6729	End	7706
GI	4586378	Score	1439
Exons	6729..7706		
GI Descrip.	(AB021746) nicotianamine synthase 1 [Oryza sativa]		

Seq. No.	2312	Seq. ID	OJ990903_12.9C01.C15
Gene No.	4836	Strand	-
Start	8389	End	10546
Name	OJ990903_12.9C01.C15.o2.tm	Method	TBLASTX:Maize
Start	3493	End	7712
GI	none	Score	293
Exons	3493..3723, 3498..3725, 7480..7707, 7482..7712		

Seq. No.	2312	Seq. ID	OJ990903_12.9C01.C15
Gene No.	4836	Strand	-
Start	8389	End	10546
Name	OJ990903_12.9C01.C15.o1.tw	Method	TBLASTX:Wheat
Start	3511	End	7694
GI	none	Score	444
Exons	3511..3825, 3516..3797, 7344..7694, 7408..7689		

Seq. No.	2312	Seq. ID	OJ990903_12.9C01.C15
Gene No.	4836	Strand	-
Start	8389	End	10546
Name	OJ990903_12.9C01.C15.o1.ts	Method	TBLASTX:Soybean
Start	3516	End	7688
GI	none	Score	277
Exons	3516..3725, 3517..3822, 3867..3965, 4025..4255, 4033..4248, 4243..4314, 4262..4333, 6873..6941, 6889..6960, 6948..7190, 6949..7119, 7183..7335, 7200..7334, 7350..7688, 7480..7650		

Seq. No.	2312	Seq. ID	OJ990903_12.9C01.C15
Gene No.	4836	Strand	-
Start	8389	End	10546
Name	OJ990903_12.9C01.C15.o1.tm	Method	TBLASTX:Maize
Start	3739	End	7466
GI	none	Score	131
Exons	3739..3825, 3768..3797, 3832..3888, 3864..3965, 3974..4195, 3977..4009, 4013..4210, 4024..4212, 4201..4317, 4202..4333, 4397..4495, 4416..4502, 6777..6827, 6778..6828, 6867..7001, 6886..7002, 6991..7191, 6993..7190, 7008..7229, 7183..7347, 7194..7466, 7408..7437		

Seq. No.	2312	Seq. ID	OJ990903_12.9C01.C15
Gene No.	4836	Strand	-
Start	8389	End	10546
Name	OJ990903_12.9C01.C15.o1.tc	Method	TBLASTX:Cress
Start	3859	End	7376
GI	none	Score	44
Exons	3859..3966, 3867..3938, 4025..4216, 4033..4209, 6987..7190, 6994..7188, 7200..7376, 7264..7344		

Seq. No.	2312	Seq. ID	OJ990903_12.9C01.C15
Gene No.	4836	Strand	-

Start	8389	End	10546
Name	OJ990903_12.9C01.C15.o2.tw	Method	TBLASTX:Wheat
Start	4004	End	7199
GI	none	Score	54
Exons	4004..4138, 4005..4061, 4027..4317, 4028..4330, 6870..7187, 6886..7188, 7065..7199, 7142..7198		

Seq. No.	2312	Seq. ID	OJ990903_12.9C01.C15
Gene No.	4836	Strand	-
Start	8389	End	10546
Name	OJ990903_12.9C01.C15.o4.gp	Method	AAT/GAP
Start	8389	End	10546
GI	14034_1.R1084	Score	1620
Exons	8389..8840, 9368..9648, 10377..10546		
GI Descrip.	'2275219 8.0e-75 (AC002337) unknown protein [Arabidopsis thaliana]'		

Seq. No.	2312	Seq. ID	OJ990903_12.9C01.C15
Gene No.	4836	Strand	-
Start	8389	End	10546
Name	OJ990903_12.9C01.C15.o3.gs	Method	GENSCAN
Start	8642	End	10469
GI	none	Score	.63
Exons	8642..8746, 10377..10469		

Seq. No.	2312	Seq. ID	OJ990903_12.9C01.C15
Gene No.	4836	Strand	-
Start	8389	End	10546
Name	OJ990903_12.9C01.C15.o3.np	Method	AAT/NAP
Start	9370	End	10546
GI	2275219	Score	460
Exons	9370..9648, 10377..10546		
GI Descrip.	(AC002337) unknown protein [Arabidopsis thaliana]		

Seq. No.	2312	Seq. ID	OJ990903_12.9C01.C15
Gene No.	4836	Strand	-
Start	8389	End	10546
Name	OJ990903_12.9C01.C15.o2.tc	Method	TBLASTX:Cress
Start	9497	End	10521
GI	none	Score	190
Exons	9497..9649, 9502..9654, 9506..9652, 10377..10520, 10377..10514, 10378..10521, 10379..10516		

Seq. No.	2312	Seq. ID	OJ990903_12.9C01.C15
Gene No.	4836	Strand	-
Start	8389	End	10546
Name	OJ990903_12.9C01.C15.o2.ts	Method	TBLASTX:Soybean
Start	9529	End	10515
GI	none	Score	139
Exons	9529..9654, 9530..9676, 10377..10514, 10378..10515		

Seq. No.	2313	Seq. ID	OJ990903_12.9C01.C16
Gene No.	4837	Strand	-
Start	79	End	123
Name	OJ990903_12.9C01.C16.o1.gs	Method	GENSCAN
Start	79	End	123
GI	none	Score	.79

Exons	79..123		
Seq. No.	2313	Seq. ID	OJ990903_12.9C01.C16
Gene No.	4838	Strand	-
Start	183	End	373
Name	OJ990903_12.9C01.C16.o1.np	Method	AAT/NAP
Start	183	End	373
GI	3914006	Score	104
Exons	183..373		
GI Descrip.	MITOCHONDRIAL LON PROTEASE HOMOLOG 2 PRECURSOR gi|1816588 (U85495) LON2 [Zea mays]		
Seq. No.	2314	Seq. ID	OJ990903_12.9C01.C17
Gene No.	4839	Strand	+
Start	3054	End	3454
Name	OJ990903_12.9C01.C17.o2.gp	Method	AAT/GAP
Start	3054	End	3454
GI	none	Score	785
Exons	3054..3454		
Seq. No.	2314	Seq. ID	OJ990903_12.9C01.C17
Gene No.	4840	Strand	-
Start	1	End	1839
Name	OJ990903_12.9C01.C17.o1.np	Method	AAT/NAP
Start	1	End	631
GI	1175470	Score	87
Exons	1..47, 498..631		
GI Descrip.	HYPOTHETICAL 37.3 KD PROTEIN C22G7.10 IN CHROMOSOME I gi|2130331|pir||S62454 hypothetical protein SPAC22G7.10 - fission yeast (Schizosaccharomyces pombe) gi|1009460|emb|CAA91134.1| (Z54328) hypothetical protein [Schizosaccharomyces pombe]		
Seq. No.	2314	Seq. ID	OJ990903_12.9C01.C17
Gene No.	4840	Strand	-
Start	1	End	1839
Name	OJ990903_12.9C01.C17.o1.gs	Method	GENSCAN
Start	191	End	1839
GI	none	Score	.87
Exons	191..310, 353..409, 510..636, 915..1036, 1438..1839		
Seq. No.	2314	Seq. ID	OJ990903_12.9C01.C17
Gene No.	4840	Strand	-
Start	1	End	1839
Name	OJ990903_12.9C01.C17.o1.gp	Method	AAT/GAP
Start	916	End	1720
GI	2310944	Score	724
Exons	916..1036, 1438..1720		
Seq. No.	2314	Seq. ID	OJ990903_12.9C01.C17
Gene No.	4841	Strand	-
Start	3364	End	4582
Name	OJ990903_12.9C01.C17.o1.tm	Method	TBLASTX:Maize
Start	3338	End	4582
GI	none	Score	367
Exons	3338..3667, 3357..3668, 3361..3666, 3362..3667, 4361..4426, 4404..4568, 4465..4569, 4466..4582, 4466..4573		

Seq. No.	2314	Seq. ID	OJ990903_12.9C01.C17
Gene No.	4841	Strand	-
Start	3364	End	4582
Name	OJ990903_12.9C01.C17.o2.gs	Method	GENSCAN
Start	3364	End	4567
GI	none	Score	.8
Exons	3364..3696, 4467..4567		

Seq. No.	2314	Seq. ID	OJ990903_12.9C01.C17
Gene No.	4841	Strand	-
Start	3364	End	4582
Name	OJ990903_12.9C01.C17.o1.ts	Method	TBLASTX:Soybean
Start	3415	End	4529
GI	none	Score	62
Exons	3415..3489, 3418..3546, 3538..3666, 3554..3667, 4404..4529, 4462..4527		

Seq. No.	2315	Seq. ID	OJ990903_12.9C01.C18
Gene No.	4842	Strand	-
Start	1	End	1043
Name	OJ990903_12.9C01.C18.o1.np	Method	AAT/NAP
Start	1	End	1043
GI	2275219	Score	586
Exons	1..46, 138..434, 774..903, 1006..1043		
GI Descrip.	(AC002337) unknown protein [Arabidopsis thaliana]		

Seq. No.	2315	Seq. ID	OJ990903_12.9C01.C18
Gene No.	4842	Strand	-
Start	1	End	1043
Name	OJ990903_12.9C01.C18.o1.tm	Method	TBLASTX:Maize
Start	2	End	287
GI	none	Score	43
Exons	2..37, 2..37, 3..68, 130..276, 135..287, 137..286		

Seq. No.	2315	Seq. ID	OJ990903_12.9C01.C18
Gene No.	4842	Strand	-
Start	1	End	1043
Name	OJ990903_12.9C01.C18.o1.ts	Method	TBLASTX:Soybean
Start	2	End	396
GI	none	Score	91
Exons	2..31, 135..197, 137..226, 143..271, 212..391, 213..392, 283..396		

Seq. No.	2315	Seq. ID	OJ990903_12.9C01.C18
Gene No.	4842	Strand	-
Start	1	End	1043
Name	OJ990903_12.9C01.C18.o1.gs	Method	GENSCAN
Start	138	End	902
GI	none	Score	.86
Exons	138..434, 774..902		

Seq. No.	2316	Seq. ID	OJ990903_12.9C01.C19
Gene No.	4843	Strand	+
Start	2174	End	5412
Name	OJ990903_12.9C01.C19.o2.np	Method	AAT/NAP
Start	2174	End	5412

GI	5852093	Score	56
Exons	2174..2213, 3523..3665, 5276..5412		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	2316	Seq. ID	OJ990903_12.9C01.C19
Gene No.	4844	Strand	+
Start	7206	End	7489
Name	OJ990903_12.9C01.C19.o2.gs	Method	GENSCAN
Start	7206	End	7489
GI	none	Score	.79
Exons	7206..7263, 7278..7489		

Seq. No.	2316	Seq. ID	OJ990903_12.9C01.C19
Gene No.	4845	Strand	+
Start	7766	End	9595
Name	OJ990903_12.9C01.C19.o3.np	Method	AAT/NAP
Start	7766	End	9381
GI	5802242	Score	594
Exons	7766..7921, 8779..8993, 9069..9381		
GI Descrip.	(AF169021) seed maturation protein PM36 [Glycine max]		

Seq. No.	2316	Seq. ID	OJ990903_12.9C01.C19
Gene No.	4845	Strand	+
Start	7766	End	9595
Name	OJ990903_12.9C01.C19.o2.gp	Method	AAT/GAP
Start	9276	End	9595
GI	91457_1.R1084	Score	583
Exons	9276..9595		
GI Descrip.	'5231209/gb|AF159061.1|AF159061 2.0e-68 Oryza sativa subsp. indica serine/threonine protein phosphatase PP2A-3 catalytic subunit (PP2A) gene, complete cds'		

Seq. No.	2316	Seq. ID	OJ990903_12.9C01.C19
Gene No.	4846	Strand	-
Start	1	End	5519
Name	OJ990903_12.9C01.C19.o1.np	Method	AAT/NAP
Start	1	End	4136
GI	2275219	Score	1216
Exons	1..39, 730..1237, 1310..1416, 1503..1548, 1703..1813, 1936..2145, 2678..2809, 4041..4136		
GI Descrip.	(AC002337) unknown protein [Arabidopsis thaliana]		

Seq. No.	2316	Seq. ID	OJ990903_12.9C01.C19
Gene No.	4846	Strand	-
Start	1	End	5519
Name	OJ990903_12.9C01.C19.o1.gs	Method	GENSCAN
Start	697	End	5519
GI	none	Score	.53
Exons	697..1237, 1703..1813, 1936..2152, 2340..2369, 2554..2634, 2682..2870, 5174..5519		

Seq. No.	2316	Seq. ID	OJ990903_12.9C01.C19
Gene No.	4847	Strand	-
Start	5450	End	7487
Name	OJ990903_12.9C01.C19.o1.gp	Method	AAT/GAP
Start	5450	End	7487
GI	570041	Score	622

Exons	5450..5581, 7297..7487		
Seq. No.	2316	Seq. ID	OJ990903_12.9C01.C19
Gene No.	4848	Strand	-
Start	9732	End	9865
Name	OJ990903_12.9C01.C19.o1.tc	Method	TBLASTX:Cress
Start	899	End	1200
GI	none	Score	240
Exons	899..1195, 899..1195, 901..1200		
Seq. No.	2316	Seq. ID	OJ990903_12.9C01.C19
Gene No.	4848	Strand	-
Start	9732	End	9865
Name	OJ990903_12.9C01.C19.o2.tc	Method	TBLASTX:Cress
Start	1951	End	2136
GI	none	Score	202
Exons	1951..2136, 1956..2132		
Seq. No.	2316	Seq. ID	OJ990903_12.9C01.C19
Gene No.	4848	Strand	-
Start	9732	End	9865
Name	OJ990903_12.9C01.C19.o3.tm	Method	TBLASTX:Maize
Start	1959	End	2151
GI	none	Score	113
Exons	1959..2066, 1959..2066, 1960..2067, 1961..2068, 2067..2114, 2074..2094, 2094..2135, 2094..2150, 2095..2151		
Seq. No.	2316	Seq. ID	OJ990903_12.9C01.C19
Gene No.	4848	Strand	-
Start	9732	End	9865
Name	OJ990903_12.9C01.C19.o1.tw	Method	TBLASTX:Wheat
Start	4777	End	5211
GI	none	Score	47
Exons	4777..4818, 4785..4832, 4868..4921, 4868..4933, 4872..4982, 4910..5005, 4914..5027, 4968..5030, 4998..5180, 4999..5211, 5000..5197, 5031..5198		
Seq. No.	2316	Seq. ID	OJ990903_12.9C01.C19
Gene No.	4848	Strand	-
Start	9732	End	9865
Name	OJ990903_12.9C01.C19.o1.tm	Method	TBLASTX:Maize
Start	4880	End	5306
GI	none	Score	40
Exons	4880..4972, 4890..4982, 4931..4960, 4962..5288, 4973..5305, 4987..5295, 5034..5306		
Seq. No.	2316	Seq. ID	OJ990903_12.9C01.C19
Gene No.	4848	Strand	-
Start	9732	End	9865
Name	OJ990903_12.9C01.C19.o1.ts	Method	TBLASTX:Soybean
Start	5034	End	5594
GI	none	Score	115
Exons	5034..5189, 5034..5180, 5205..5588, 5223..5288, 5230..5424, 5364..5594		
Seq. No.	2316	Seq. ID	OJ990903_12.9C01.C19
Gene No.	4848	Strand	-

Start	9732	End	9865
Name	OJ990903_12.9C01.C19.o2.tm	Method	TBLASTX:Maize
Start	5313	End	7384
GI	none	Score	254
Exons	5313..5582, 5320..5586, 5364..5594, 5368..5586, 7292..7384, 7296..7376, 7298..7378, 7360..7383		

Seq. No.	2316	Seq. ID	OJ990903_12.9C01.C19
Gene No.	4848	Strand	-
Start	9732	End	9865
Name	OJ990903_12.9C01.C19.o4.tm	Method	TBLASTX:Maize
Start	7745	End	8910
GI	none	Score	190
Exons	7745..7771, 7805..7921, 7819..7920, 8780..8890, 8781..8891, 8781..8906, 8782..8910		

Seq. No.	2316	Seq. ID	OJ990903_12.9C01.C19
Gene No.	4848	Strand	-
Start	9732	End	9865
Name	OJ990903_12.9C01.C19.o2.ts	Method	TBLASTX:Soybean
Start	7808	End	9366
GI	none	Score	122
Exons	7808..7921, 8782..8862, 8862..8966, 8863..8991, 8863..9000, 9069..9266, 9073..9267, 9328..9366		

Seq. No.	2316	Seq. ID	OJ990903_12.9C01.C19
Gene No.	4848	Strand	-
Start	9732	End	9865
Name	OJ990903_12.9C01.C19.o3.gp	Method	AAT/GAP
Start	9732	End	9865
GI	5056147	Score	241
Exons	9732..9865		
GI Descrip.	5231209/gb|AF159061.1|AF159061 2.0e-68 Oryza sativa subsp. indica serine/threonine protein phosphatase PP2A-3 catalytic subunit (PP2A) gene, complete cds		

Seq. No.	2317	Seq. ID	OJ990903_12.9C01.C20
Gene No.	4849	Strand	+
Start	5963	End	15530
Name	OJ990903_12.9C01.C20.o3.gs	Method	GENSCAN
Start	5963	End	11702
GI	none	Score	.51
Exons	5963..5972, 6064..6301, 8718..8900, 10074..10168, 11088..11233, 11406..11494, 11576..11702		

Seq. No.	2317	Seq. ID	OJ990903_12.9C01.C20
Gene No.	4849	Strand	+
Start	5963	End	15530
Name	OJ990903_12.9C01.C20.o4.np	Method	AAT/NAP
Start	8345	End	9854
GI	629810	Score	99
Exons	8345..8508, 9831..9854		
GI Descrip.	hypothetical protein 18 (coxI 5' region) - rice mitochondrion gi|870712 (M57903) unknown protein [Oryza sativa]		

Seq. No.	2317	Seq. ID	OJ990903_12.9C01.C20
Gene No.	4849	Strand	+

Start	5963	End	15530
Name	OJ990903_12.9C01.C20.o5.np	Method	AAT/NAP
Start	8734	End	10312
GI	1008044	Score	237
Exons	8734..8876, 10246..10312		
GI Descrip.	(D13109) rpoB protein [Oryza sativa]		

Seq. No.	2317	Seq. ID	OJ990903_12.9C01.C20
Gene No.	4849	Strand	+
Start	5963	End	15530
Name	OJ990903_12.9C01.C20.o7.np	Method	AAT/NAP
Start	11228	End	13055
GI	439277	Score	188
Exons	11228..11400, 13028..13055		
GI Descrip.	(X69205) ORF589 [Triticum aestivum]		

Seq. No.	2317	Seq. ID	OJ990903_12.9C01.C20
Gene No.	4849	Strand	+
Start	5963	End	15530
Name	OJ990903_12.9C01.C20.o4.gs	Method	GENSCAN
Start	12306	End	14207
GI	none	Score	.93
Exons	12306..12644, 13828..13893, 14016..14207		

Seq. No.	2317	Seq. ID	OJ990903_12.9C01.C20
Gene No.	4849	Strand	+
Start	5963	End	15530
Name	OJ990903_12.9C01.C20.o8.np	Method	AAT/NAP
Start	12378	End	15530
GI	3914006	Score	560
Exons	12378..12644, 13828..13893, 14016..14207, 14295..14360, 14444..14485, 15022..15144, 15485..15530		
GI Descrip.	MITOCHONDRIAL LON PROTEASE HOMOLOG 2 PRECURSOR gi|1816588 (U85495) LON2 [Zea mays]		

Seq. No.	2317	Seq. ID	OJ990903_12.9C01.C20
Gene No.	4850	Strand	-
Start	1	End	708
Name	OJ990903_12.9C01.C20.o1.gp	Method	AAT/GAP
Start	1	End	708
GI	207_3.R1084	Score	1342
Exons	1..708		
GI Descrip.	'1617206/emb|CAA96570| 3.0e-29 (Z72489) CP12 [Pisum sativum]'		

Seq. No.	2317	Seq. ID	OJ990903_12.9C01.C20
Gene No.	4850	Strand	-
Start	1	End	708
Name	OJ990903_12.9C01.C20.o1.np	Method	AAT/NAP
Start	231	End	611
GI	1617206	Score	309
Exons	231..611		
GI Descrip.	(Z72489) CP12 [Pisum sativum]		

Seq. No.	2317	Seq. ID	OJ990903_12.9C01.C20
Gene No.	4851	Strand	-
Start	4420	End	4941
Name	OJ990903_12.9C01.C20.o2.gs	Method	GENSCAN

Start	4420	End	4941
GI	none	Score	.95
Exons	4420..4941		

Seq. No.	2317	Seq. ID	OJ990903_12.9C01.C20
Gene No.	4851	Strand	-
Start	4420	End	4941
Name	OJ990903_12.9C01.C20.o2.np	Method	AAT/NAP
Start	4499	End	4941
GI	1352613	Score	142
Exons	4499..4941		
GI Descrip.	OCS-ELEMENT BINDING FACTOR 1 (OCSBF-1) gi|444047|emb|CAA44607| (X62745) ocs-binding factor 1 [Zea mays]		

Seq. No.	2317	Seq. ID	OJ990903_12.9C01.C20
Gene No.	4852	Strand	-
Start	7684	End	9292
Name	OJ990903_12.9C01.C20.o3.np	Method	AAT/NAP
Start	7684	End	9292
GI	552858	Score	370
Exons	7684..7971, 9164..9292		
GI Descrip.	(M15955) cytochrome f [Oryza sativa] gi|225534|prf||1305268A cytochrome f [Oryza sativa]		

Seq. No.	2317	Seq. ID	OJ990903_12.9C01.C20
Gene No.	4852	Strand	-
Start	7684	End	9292
Name	OJ990903_12.9C01.C20.o2.gp	Method	AAT/GAP
Start	7952	End	8118
GI	5607623	Score	294
Exons	7952..8118		
GI Descrip.	287391/dbj|D13111|RICMT15 2.0e-27 Oxyza sativa mitochondrial rpoB pseudogene		

Seq. No.	2317	Seq. ID	OJ990903_12.9C01.C20
Gene No.	4852	Strand	-
Start	7684	End	9292
Name	OJ990903_12.9C01.C20.o3.gp	Method	AAT/GAP
Start	8280	End	8624
GI	5607624	Score	655
Exons	8280..8624		
GI Descrip.	287391/dbj|D13111|RICMT15 1.0e-178 Oxyza sativa mitochondrial rpoB pseudogene		

Seq. No.	2317	Seq. ID	OJ990903_12.9C01.C20
Gene No.	4853	Strand	-
Start	9237	End	9617
Name	OJ990903_12.9C01.C20.o4.gp	Method	AAT/GAP
Start	9237	End	9617
GI	none	Score	714
Exons	9237..9617		

Seq. No.	2317	Seq. ID	OJ990903_12.9C01.C20
Gene No.	4854	Strand	-
Start	9838	End	10989
Name	OJ990903_12.9C01.C20.o1.tw	Method	TBLASTX:Wheat
Start	226	End	462

GI	none	Score	100
Exons	226..279, 227..301, 234..452, 412..462		

Seq. No.	2317	Seq. ID	OJ990903_12.9C01.C20
Gene No.	4854	Strand	-
Start	9838	End	10989
Name	OJ990903_12.9C01.C20.o2.tm	Method	TBLASTX:Maize
Start	226	End	498
GI	none	Score	96
Exons	226..279, 230..295, 291..371, 357..452, 409..498		

Seq. No.	2317	Seq. ID	OJ990903_12.9C01.C20
Gene No.	4854	Strand	-
Start	9838	End	10989
Name	OJ990903_12.9C01.C20.o2.ts	Method	TBLASTX:Soybean
Start	227	End	452
GI	none	Score	71
Exons	227..304, 231..452		

Seq. No.	2317	Seq. ID	OJ990903_12.9C01.C20
Gene No.	4854	Strand	-
Start	9838	End	10989
Name	OJ990903_12.9C01.C20.o3.tc	Method	TBLASTX:Cress
Start	231	End	443
GI	none	Score	187
Exons	231..284, 303..443		

Seq. No.	2317	Seq. ID	OJ990903_12.9C01.C20
Gene No.	4854	Strand	-
Start	9838	End	10989
Name	OJ990903_12.9C01.C20.o1.tc	Method	TBLASTX:Cress
Start	7689	End	7977
GI	none	Score	83
Exons	7689..7748, 7690..7749, 7691..7747, 7728..7862, 7738..7863, 7744..7863, 7790..7969, 7796..7954, 7858..7977, 7860..7976		

Seq. No.	2317	Seq. ID	OJ990903_12.9C01.C20
Gene No.	4854	Strand	-
Start	9838	End	10989
Name	OJ990903_12.9C01.C20.o1.ts	Method	TBLASTX:Soybean
Start	7689	End	7977
GI	none	Score	83
Exons	7689..7748, 7690..7749, 7691..7747, 7728..7862, 7738..7863, 7744..7863, 7790..7969, 7796..7954, 7858..7977, 7860..7976		

Seq. No.	2317	Seq. ID	OJ990903_12.9C01.C20
Gene No.	4854	Strand	-
Start	9838	End	10989
Name	OJ990903_12.9C01.C20.o3.tm	Method	TBLASTX:Maize
Start	7824	End	7989
GI	none	Score	165
Exons	7824..7970, 7825..7863, 7850..7969, 7858..7989, 7860..7976		

Seq. No.	2317	Seq. ID	OJ990903_12.9C01.C20
Gene No.	4854	Strand	-
Start	9838	End	10989
Name	OJ990903_12.9C01.C20.o4.tc	Method	TBLASTX:Cress

Start	8546	End	8887
GI	none	Score	38
Exons	8546..8581, 8551..8580, 8598..8672, 8598..8672, 8599..8673, 8723..8875, 8731..8880, 8731..8883, 8744..8887		

Seq. No.	2317	Seq. ID	OJ990903_12.9C01.C20
Gene No.	4854	Strand	-
Start	9838	End	10989
Name	OJ990903_12.9C01.C20.o3.ts	Method	TBLASTX:Soybean
Start	8590	End	8887
GI	none	Score	51
Exons	8590..8664, 8593..8697, 8612..8707, 8701..8880, 8703..8879, 8704..8883, 8744..8887		

Seq. No.	2317	Seq. ID	OJ990903_12.9C01.C20
Gene No.	4854	Strand	-
Start	9838	End	10989
Name	OJ990903_12.9C01.C20.o1.tm	Method	TBLASTX:Maize
Start	8611	End	8879
GI	none	Score	370
Exons	8611..8871, 8611..8871, 8612..8875, 8613..8879		

Seq. No.	2317	Seq. ID	OJ990903_12.9C01.C20
Gene No.	4854	Strand	-
Start	9838	End	10989
Name	OJ990903_12.9C01.C20.o5.gp	Method	AAT/GAP
Start	9838	End	10140
GI	uC-osrocyp004c06b1	Score	472
Exons	9838..10140		
GI Descrip.	'2191175 5.0e-21 (AF007270) A_IG002P16.24 gene product [Arabidopsis thaliana]'		

Seq. No.	2317	Seq. ID	OJ990903_12.9C01.C20
Gene No.	4854	Strand	-
Start	9838	End	10989
Name	OJ990903_12.9C01.C20.o6.np	Method	AAT/NAP
Start	9842	End	10989
GI	82638	Score	526
Exons	9842..9936, 10658..10989		
GI Descrip.	hypothetical 16K protein (nad5 intron) - wheat mitochondrion		

Seq. No.	2317	Seq. ID	OJ990903_12.9C01.C20
Gene No.	4855	Strand	
Start	13827	End	15173
Name	OJ990903_12.9C01.C20.o2.tc	Method	TBLASTX:Cress
Start	13827	End	15173
GI	none	Score	89
Exons	13827..13895, 13828..13893, 14013..14132, 14015..14083, 14130..14207, 14135..14203, 14295..14363, 14444..14485, 14995..15144, 15010..15144, 15027..15173		

Seq. No.	2317	Seq. ID	OJ990903_12.9C01.C20
Gene No.	4855	Strand	
Start	13827	End	15173
Name	OJ990903_12.9C01.C20.o4.tm	Method	TBLASTX:Maize
Start	14087	End	15144
GI	none	Score	111

Exons	14087..14203, 14092..14202, 14292..14363, 14294..14362, 14295..14363, 14444..14485, 14444..14491, 14452..14487, 14995..15144, 15005..15139, 15024..15140		
Seq. No.	2318	Seq. ID	OJ990903_12.9C01.C21
Gene No.	4856	Strand	+
Start	1	End	716
Name	OJ990903_12.9C01.C21.o1.np	Method	AAT/NAP
Start	1	End	716
GI	6714391	Score	366
Exons	1..86, 430..560, 659..716		
GI Descrip.	(AC012393) putative mitochondrial LON ATP-dependent protease [Arabidopsis thaliana]		

Seq. No.	2318	Seq. ID	OJ990903_12.9C01.C21
Gene No.	4856	Strand	+
Start	1	End	716
Name	OJ990903_12.9C01.C21.o1.tc	Method	TBLASTX:Cress
Start	2	End	715
GI	none	Score	146
Exons	2..97, 2..85, 16..87, 424..531, 428..568, 450..569, 650..709, 658..714, 659..715		

Seq. No.	2318	Seq. ID	OJ990903_12.9C01.C21
Gene No.	4856	Strand	+
Start	1	End	716
Name	OJ990903_12.9C01.C21.o1.tm	Method	TBLASTX:Maize
Start	2	End	569
GI	none	Score	149
Exons	2..97, 2..85, 16..87, 424..561, 424..561, 428..568, 450..569		

Seq. No.	2318	Seq. ID	OJ990903_12.9C01.C21
Gene No.	4856	Strand	+
Start	1	End	716
Name	OJ990903_12.9C01.C21.o1.gs	Method	GENSCAN
Start	430	End	635
GI	none	Score	.77
Exons	430..635		

Seq. No.	2319	Seq. ID	OJ990903_12.9C01.C22
Gene No.	4857	Strand	-
Start	1	End	805
Name	OJ990903_12.9C01.C22.o1.gp	Method	AAT/GAP
Start	1	End	805
GI	2431266	Score	351
Exons	1..55, 661..805		
GI Descrip.	2191175 5.0e-21 (AF007270) A_IG002P16.24 gene product [Arabidopsis thaliana]		

Seq. No.	2320	Seq. ID	OJ990903_12.9C01.C23
Gene No.	4858	Strand	+
Start	1	End	283
Name	OJ990903_12.9C01.C23.o1.np	Method	AAT/NAP
Start	1	End	283
GI	5725434	Score	90
Exons	1..283		
GI Descrip.	(AL109787) putative protein [Arabidopsis thaliana]		

Seq. No.	2321	Seq. ID	OJ990903_12.9C01.C25
Gene No.	4859	Strand	-
Start	1	End	448
Name	OJ990903_12.9C01.C25.o1.np	Method	AAT/NAP
Start	1	End	448
GI	6522552	Score	214
Exons	1..448		
GI Descrip.	(AL132967) putative protein [Arabidopsis thaliana]		

Seq. No.	2322	Seq. ID	OJ990903_12.9C01.C26
Gene No.	4860	Strand	-
Start	8	End	177
Name	OJ990903_12.9C01.C26.o1.gs	Method	GENSCAN
Start	8	End	177
GI	none	Score	.62
Exons	8..177		

Seq. No.	2323	Seq. ID	OJ990903_12.9C01.C28
Gene No.	4861	Strand	+
Start	452	End	553
Name	OJ990903_12.9C01.C28.o1.gs	Method	GENSCAN
Start	452	End	553
GI	none	Score	.95
Exons	452..553		

Seq. No.	2324	Seq. ID	OJ990903_12.9C01.C29
Gene No.	4862	Strand	-
Start	1	End	584
Name	OJ990903_12.9C01.C29.o1.np	Method	AAT/NAP
Start	1	End	584
GI	2275219	Score	165
Exons	1..154, 265..330, 501..584		
GI Descrip.	(AC002337) unknown protein [Arabidopsis thaliana]		

Seq. No.	2324	Seq. ID	OJ990903_12.9C01.C29
Gene No.	4862	Strand	-
Start	1	End	584
Name	OJ990903_12.9C01.C29.o1.gp	Method	AAT/GAP
Start	96	End	584
GI	14034_1.R1084	Score	363
Exons	96..157, 265..330, 501..584		
GI Descrip.	'2275219 8.0e-75 (AC002337) unknown protein [Arabidopsis thaliana]'		

Seq. No.	2324	Seq. ID	OJ990903_12.9C01.C29
Gene No.	4862	Strand	-
Start	1	End	584
Name	OJ990903_12.9C01.C29.o1.gs	Method	GENSCAN
Start	97	End	330
GI	none	Score	.83
Exons	97..157, 265..330		

Seq. No.	2325	Seq. ID	OJ990903_12.9C01.C30
Gene No.	4863	Strand	-
Start	1	End	2377
Name	OJ990903_12.9C01.C30.o1.np	Method	AAT/NAP

Start	1	End	2377
GI	6598380	Score	248
Exons	1..66, 826..1049, 2273..2377		
GI Descrip.	(AC002535) putative WD-40 repeat protein [Arabidopsis thaliana]		

Seq. No.	2326	Seq. ID	OJ990903_12.9C01.C31
Gene No.	4864	Strand	-
Start	1	End	1322
Name	OJ990903_12.9C01.C31.o1.np	Method	AAT/NAP
Start	1	End	1322
GI	3914006	Score	400
Exons	1..291, 1055..1322		
GI Descrip.	MITOCHONDRIAL LON PROTEASE HOMOLOG 2 PRECURSOR gi|1816588 (U85495) LON2 [Zea mays]		

Seq. No.	2326	Seq. ID	OJ990903_12.9C01.C31
Gene No.	4864	Strand	-
Start	1	End	1322
Name	OJ990903_12.9C01.C31.o1.tc	Method	TBLASTX:Cress
Start	3	End	292
GI	none	Score	80
Exons	3..116, 6..107, 104..292, 114..260		

Seq. No.	2326	Seq. ID	OJ990903_12.9C01.C31
Gene No.	4864	Strand	-
Start	1	End	1322
Name	OJ990903_12.9C01.C31.o1.ts	Method	TBLASTX:Soybean
Start	39	End	332
GI	none	Score	66
Exons	39..107, 40..120, 46..108, 51..116, 104..331, 105..332, 114..260, 121..276, 128..319		

Seq. No.	2326	Seq. ID	OJ990903_12.9C01.C31
Gene No.	4864	Strand	-
Start	1	End	1322
Name	OJ990903_12.9C01.C31.o1.tm	Method	TBLASTX:Maize
Start	66	End	1146
GI	none	Score	63
Exons	66..104, 66..107, 102..302, 104..304, 104..304, 305..343, 1030..1146, 1030..1134		

Seq. No.	2326	Seq. ID	OJ990903_12.9C01.C31
Gene No.	4864	Strand	-
Start	1	End	1322
Name	OJ990903_12.9C01.C31.o1.gs	Method	GENSCAN
Start	104	End	1322
GI	none	Score	.8
Exons	104..385, 1014..1322		

Seq. No.	2327	Seq. ID	OJ990903_12.9C01.C37
Gene No.	4865	Strand	+
Start	1	End	58
Name	OJ990903_12.9C01.C37.o1.gp	Method	AAT/GAP
Start	1	End	58
GI	26261_1.R1084	Score	89
Exons	1..58		
GI Descrip.	'4929621/gb|AAD34071.1|AF151834_1 1.0e-48 (AF151834) CGI-76		

protein [Homo sapiens]'

Seq. No.	2328	Seq. ID	OJ990903_12.9C01.C38
Gene No.	4866	Strand	+
Start	241	End	558
Name	OJ990903_12.9C01.C38.o1.gs	Method	GENSCAN
Start	241	End	558
GI	none	Score	.44
Exons	241..323, 383..558		

Seq. No.	2328	Seq. ID	OJ990903_12.9C01.C38
Gene No.	4867	Strand	-
Start	497	End	768
Name	OJ990903_12.9C01.C38.o1.np	Method	AAT/NAP
Start	497	End	768
GI	5915819	Score	104
Exons	497..768		
GI Descrip.	FLAVONOID 3',5'-HYDROXYLASE (F3'5'H) (CYTOCHROME P450 75A6) gi|1785488|dbj|BAA03440| (D14590) flavonoid 3',5'-hydroxylase [Campanula medium]		

Seq. No.	2329	Seq. ID	OJ990823_10.9C08.C1
Gene No.	4868	Strand	-
Start	215	End	1091
Name	OJ990823_10.9C08.C1.o1.gs	Method	GENSCAN
Start	215	End	1091
GI	none	Score	.72
Exons	215..423, 961..1091		

Seq. No.	2330	Seq. ID	OJ990823_10.9C08.C2
Gene No.	4869	Strand	-
Start	433	End	10293
Name	OJ990823_10.9C08.C2.o1.np	Method	AAT/NAP
Start	433	End	3633
GI	6539588	Score	226
Exons	433..474, 2637..2916, 3607..3633		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	2330	Seq. ID	OJ990823_10.9C08.C2
Gene No.	4869	Strand	-
Start	433	End	10293
Name	OJ990823_10.9C08.C2.o1.gs	Method	GENSCAN
Start	1825	End	10293
GI	none	Score	.58
Exons	1825..1919, 2170..2296, 2717..2916, 3153..3332, 3823..3900, 4950..5136, 6177..6263, 7667..9051, 9189..9382, 10088..10293		

Seq. No.	2330	Seq. ID	OJ990823_10.9C08.C2
Gene No.	4869	Strand	-
Start	433	End	10293
Name	OJ990823_10.9C08.C2.o2.np	Method	AAT/NAP
Start	4976	End	7407
GI	3687239	Score	94
Exons	4976..5079, 6177..6285, 7374..7407		
GI Descrip.	(AC005169) putative clathrin assembly protein [Arabidopsis thaliana]		

Seq. No.	2330	Seq. ID	OJ990823_10.9C08.C2
Gene No.	4869	Strand	-
Start	433	End	10293
Name	OJ990823_10.9C08.C2.o3.np	Method	AAT/NAP
Start	7643	End	8218
GI	5852173	Score	355
Exons	7643..8218		
GI Descrip.	(AL117265) zhb0003.1 [Oryza sativa]		

Seq. No.	2330	Seq. ID	OJ990823_10.9C08.C2
Gene No.	4869	Strand	-
Start	433	End	10293
Name	OJ990823_10.9C08.C2.o2.gp	Method	AAT/GAP
Start	9018	End	9362
GI	2442632	Score	372
Exons	9018..9051, 9189..9362		

Seq. No.	2331	Seq. ID	OJ990823_10.9C08.C4
Gene No.	4870	Strand	+
Start	16328	End	17363
Name	OJ990823_10.9C08.C4.o1.gp	Method	AAT/GAP
Start	16328	End	17363
GI	25465_1.R1084	Score	841
Exons	16328..16563, 17126..17363		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	2331	Seq. ID	OJ990823_10.9C08.C4
Gene No.	4871	Strand	-
Start	385	End	1619
Name	OJ990823_10.9C08.C4.o1.gs	Method	GENSCAN
Start	385	End	1619
GI	none	Score	.84
Exons	385..513, 1515..1619		

Seq. No.	2331	Seq. ID	OJ990823_10.9C08.C4
Gene No.	4872	Strand	-
Start	3986	End	12702
Name	OJ990823_10.9C08.C4.o2.gs	Method	GENSCAN
Start	3986	End	12702
GI	none	Score	.73
Exons	3986..4107, 4118..4345, 4424..4788, 4860..5068, 8780..8963, 9544..9634, 9682..9756, 11943..12056, 12696..12702		

Seq. No.	2331	Seq. ID	OJ990823_10.9C08.C4
Gene No.	4873	Strand	-
Start	16118	End	17644
Name	OJ990823_10.9C08.C4.o3.gs	Method	GENSCAN
Start	16118	End	17644
GI	none	Score	.66
Exons	16118..16270, 16455..16598, 16638..16745, 17080..17183, 17515..17644		

Seq. No.	2332	Seq. ID	OJ990823_10.9C08.C5
Gene No.	4874	Strand	+
Start	11116	End	12106
Name	OJ990823_10.9C08.C5.o3.gs	Method	GENSCAN

Start	11116	End	12106
GI	none	Score	.64
Exons	11116..11178, 11679..11818, 12034..12106		

Seq. No.	2332	Seq. ID	OJ990823_10.9C08.C5
Gene No.	4875	Strand	-
Start	31	End	4049
Name	OJ990823_10.9C08.C5.o1.gs	Method	GENSCAN
Start	31	End	4049
GI	none	Score	.78
Exons	31..186, 1418..1512, 3145..3624, 3682..3867, 4043..4049		

Seq. No.	2332	Seq. ID	OJ990823_10.9C08.C5
Gene No.	4876	Strand	-
Start	4372	End	10284
Name	OJ990823_10.9C08.C5.o2.gs	Method	GENSCAN
Start	4372	End	10223
GI	none	Score	.52
Exons	4372..4549, 5586..5635, 8813..9013, 9781..9867, 9930..10223		

Seq. No.	2332	Seq. ID	OJ990823_10.9C08.C5
Gene No.	4876	Strand	-
Start	4372	End	10284
Name	OJ990823_10.9C08.C5.o1.gp	Method	AAT/GAP
Start	8444	End	8846
GI	20850_1.R1084	Score	690
Exons	8444..8846		
GI Descrip.	'3687239 3.0e-18 (AC005169) putative clathrin coat assembly protein [Arabidopsis thaliana]'		

Seq. No.	2332	Seq. ID	OJ990823_10.9C08.C5
Gene No.	4876	Strand	-
Start	4372	End	10284
Name	OJ990823_10.9C08.C5.o1.np	Method	AAT/NAP
Start	8714	End	10223
GI	3687239	Score	578
Exons	8714..8845, 8945..9013, 9781..9867, 10083..10223		
GI Descrip.	(AC005169) putative clathrin assembly protein [Arabidopsis thaliana]		

Seq. No.	2332	Seq. ID	OJ990823_10.9C08.C5
Gene No.	4876	Strand	-
Start	4372	End	10284
Name	OJ990823_10.9C08.C5.o2.gp	Method	AAT/GAP
Start	8967	End	10284
GI	2280898	Score	525
Exons	8967..9013, 9781..9867, 10083..10284		
GI Descrip.	3687239 1.0e-13 (AC005169) putative clathrin coat assembly protein [Arabidopsis thaliana]		

Seq. No.	2332	Seq. ID	OJ990823_10.9C08.C5
Gene No.	4877	Strand	-
Start	12944	End	13222
Name	OJ990823_10.9C08.C5.o1.tw	Method	TBLASTX:Wheat
Start	8589	End	9016
GI	none	Score	213
Exons	8589..8630, 8711..8845, 8712..8846, 8715..8846, 8719..8892,		

8945..9016, 8946..9014

Seq. No.	2332	Seq. ID	OJ990823_10.9C08.C5
Gene No.	4877	Strand	-
Start	12944	End	13222
Name	OJ990823_10.9C08.C5.o1.tm	Method	TBLASTX:Maize
Start	8668	End	10256
GI	none	Score	225
Exons	8668..8799, 8679..8846, 8705..8845, 8945..9016, 8946..9014, 8947..9030, 9781..9870, 9782..9871, 10083..10256, 10084..10224		

Seq. No.	2332	Seq. ID	OJ990823_10.9C08.C5
Gene No.	4877	Strand	-
Start	12944	End	13222
Name	OJ990823_10.9C08.C5.o1.tc	Method	TBLASTX:Cress
Start	8674	End	10230
GI	none	Score	157
Exons	8674..8799, 8720..8845, 8724..8846, 8756..8890, 8945..9016, 8946..9014, 9781..9870, 9782..9871, 10083..10223, 10084..10230		

Seq. No.	2332	Seq. ID	OJ990823_10.9C08.C5
Gene No.	4877	Strand	-
Start	12944	End	13222
Name	OJ990823_10.9C08.C5.o1.ts	Method	TBLASTX:Soybean
Start	8708	End	9023
GI	none	Score	117
Exons	8708..8836, 8711..8842, 8712..8843, 8712..8843, 8945..9022, 8945..9016, 8946..9023		

Seq. No.	2332	Seq. ID	OJ990823_10.9C08.C5
Gene No.	4877	Strand	-
Start	12944	End	13222
Name	OJ990823_10.9C08.C5.o2.ts	Method	TBLASTX:Soybean
Start	9781	End	10224
GI	none	Score	115
Exons	9781..9870, 9782..9871, 10083..10223, 10084..10224		

Seq. No.	2332	Seq. ID	OJ990823_10.9C08.C5
Gene No.	4877	Strand	-
Start	12944	End	13222
Name	OJ990823_10.9C08.C5.o4.gs	Method	GENSCAN
Start	12944	End	13222
GI	none	Score	.67
Exons	12944..13222		

Seq. No.	2333	Seq. ID	OJ990823_10.9C08.C7
Gene No.	4878	Strand	+
Start	149	End	544
Name	OJ990823_10.9C08.C7.o1.gs	Method	GENSCAN
Start	149	End	544
GI	none	Score	.48
Exons	149..544		

Seq. No.	2334	Seq. ID	OJ990823_10.9C08.C8
Gene No.	4879	Strand	+
Start	408	End	1543
Name	OJ990823_10.9C08.C8.o1.gs	Method	GENSCAN

Start	408	End	1543
GI	none	Score	.48
Exons	408..539, 824..1140, 1189..1312, 1395..1543		

Seq. No.	2334	Seq. ID	OJ990823_10.9C08.C8
Gene No.	4880	Strand	+
Start	3027	End	3138
Name	OJ990823_10.9C08.C8.o1.gp	Method	AAT/GAP
Start	3027	End	3138
GI	uC-osf1cyp088b12b1	Score	158
Exons	3027..3138		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	2334	Seq. ID	OJ990823_10.9C08.C8
Gene No.	4881	Strand	-
Start	226	End	1472
Name	OJ990823_10.9C08.C8.o1.np	Method	AAT/NAP
Start	226	End	1472
GI	2131046	Score	170
Exons	226..1472		
GI Descrip.	(Z95844) PE_PGRS [Mycobacterium tuberculosis]		

Seq. No.	2334	Seq. ID	OJ990823_10.9C08.C8
Gene No.	4882	Strand	-
Start	2430	End	4862
Name	OJ990823_10.9C08.C8.o2.np	Method	AAT/NAP
Start	2310	End	4862
GI	4680183	Score	109
Exons	2310..2427, 4819..4862		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	2334	Seq. ID	OJ990823_10.9C08.C8
Gene No.	4882	Strand	-
Start	2430	End	4862
Name	OJ990823_10.9C08.C8.o2.gs	Method	GENSCAN
Start	2430	End	3022
GI	none	Score	.76
Exons	2430..2531, 2861..3022		

Seq. No.	2334	Seq. ID	OJ990823_10.9C08.C8
Gene No.	4882	Strand	-
Start	2430	End	4862
Name	OJ990823_10.9C08.C8.o1.tm	Method	TBLASTX:Maize
Start	3588	End	3986
GI	none	Score	60
Exons	3588..3671, 3657..3986, 3657..3785, 3834..3968		

Seq. No.	2335	Seq. ID	OJ990823_10.9C08.C9
Gene No.	4883	Strand	+
Start	1	End	17254
Name	OJ990823_10.9C08.C9.o1.np	Method	AAT/NAP
Start	1	End	2086
GI	4680203	Score	1113
Exons	1..485, 645..874, 1151..2086		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	2335	Seq. ID	OJ990823_10.9C08.C9
Gene No.	4883	Strand	+
Start	1	End	17254
Name	OJ990823_10.9C08.C9.o1.ts	Method	TBLASTX:Soybean
Start	82	End	316
GI	none	Score	224
Exons	82..237, 83..316		

Seq. No.	2335	Seq. ID	OJ990823_10.9C08.C9
Gene No.	4883	Strand	+
Start	1	End	17254
Name	OJ990823_10.9C08.C9.o1.gs	Method	GENSCAN
Start	233	End	5938
GI	none	Score	.52
Exons	233..352, 602..1518, 1744..2026, 2782..3072, 3184..3425, 4137..4212, 5134..5287, 5517..5938		

Seq. No.	2335	Seq. ID	OJ990823_10.9C08.C9
Gene No.	4883	Strand	+
Start	1	End	17254
Name	OJ990823_10.9C08.C9.o2.tw	Method	TBLASTX:Wheat
Start	428	End	742
GI	none	Score	133
Exons	428..547, 428..517, 429..536, 442..540, 548..631, 559..600, 658..735, 659..742		

Seq. No.	2335	Seq. ID	OJ990823_10.9C08.C9
Gene No.	4883	Strand	+
Start	1	End	17254
Name	OJ990823_10.9C08.C9.o2.tm	Method	TBLASTX:Maize
Start	431	End	622
GI	none	Score	198
Exons	431..622, 472..621		

Seq. No.	2335	Seq. ID	OJ990823_10.9C08.C9
Gene No.	4883	Strand	+
Start	1	End	17254
Name	OJ990823_10.9C08.C9.o1.tm	Method	TBLASTX:Maize
Start	734	End	1114
GI	none	Score	48
Exons	734..787, 799..1095, 800..1114		

Seq. No.	2335	Seq. ID	OJ990823_10.9C08.C9
Gene No.	4883	Strand	+
Start	1	End	17254
Name	OJ990823_10.9C08.C9.o1.tw	Method	TBLASTX:Wheat
Start	758	End	2008
GI	none	Score	506
Exons	758..1303, 802..1290, 1298..1480, 1339..1383, 1504..1644, 1511..1675, 1655..1711, 1655..1711, 1712..1765, 1717..1749, 1783..1875, 1784..1888, 1889..2008		

Seq. No.	2335	Seq. ID	OJ990823_10.9C08.C9
Gene No.	4883	Strand	+
Start	1	End	17254
Name	OJ990823_10.9C08.C9.o1.tc	Method	TBLASTX:Cress
Start	1045	End	1471

GI	none	Score	226
Exons	1045..1290, 1049..1303, 1298..1471, 1339..1467		

Seq. No.	2335	Seq. ID	OJ990823_10.9C08.C9
Gene No.	4883	Strand	+
Start	1	End	17254
Name	OJ990823_10.9C08.C9.o2.ts	Method	TBLASTX:Soybean
Start	1697	End	1945
GI	none	Score	223
Exons	1697..1945, 1699..1878		

Seq. No.	2335	Seq. ID	OJ990823_10.9C08.C9
Gene No.	4883	Strand	+
Start	1	End	17254
Name	OJ990823_10.9C08.C9.o2.np	Method	AAT/NAP
Start	2717	End	17254
GI	5734709	Score	285
Exons	2717..3363, 14081..14218, 17204..17254		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	2335	Seq. ID	OJ990823_10.9C08.C9
Gene No.	4883	Strand	+
Start	1	End	17254
Name	OJ990823_10.9C08.C9.o2.gs	Method	GENSCAN
Start	6453	End	10184
GI	none	Score	.54
Exons	6453..6611, 6809..7048, 7163..7243, 7299..7327, 7446..7616, 9084..9162, 10173..10184		

Seq. No.	2335	Seq. ID	OJ990823_10.9C08.C9
Gene No.	4883	Strand	+
Start	1	End	17254
Name	OJ990823_10.9C08.C9.o4.gs	Method	GENSCAN
Start	13606	End	14730
GI	none	Score	.97
Exons	13606..13717, 13910..14730		

Seq. No.	2336	Seq. ID	OJ990823_10.9C08.C10
Gene No.	4884	Strand	
Start	1024	End	1382
Name	OJ990823_10.9C08.C10.o1.tm	Method	TBLASTX:Maize
Start	1024	End	1382
GI	none	Score	85
Exons	1024..1314, 1031..1306, 1314..1382		

Seq. No.	2337	Seq. ID	OJ990823_10.9C08.C11
Gene No.	4885	Strand	+
Start	5463	End	7036
Name	OJ990823_10.9C08.C11.o1.np	Method	AAT/NAP
Start	5463	End	7036
GI	6539588	Score	114
Exons	5463..5719, 7006..7036		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	2338	Seq. ID	OJ990823_10.9C08.C12
Gene No.	4886	Strand	-

Start	1537	End	8467
Name	OJ990823_10.9C08.C12.o1.np	Method	AAT/NAP
Start	1537	End	7442
GI	5091513	Score	2437
Exons	1537..1697, 2976..5313, 5968..6212, 6354..6378, 7419..7442		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	2338	Seq. ID	OJ990823_10.9C08.C12
Gene No.	4886	Strand	-
Start	1537	End	8467
Name	OJ990823_10.9C08.C12.o2.gs	Method	GENSCAN
Start	2402	End	8467
GI	none	Score	.49
Exons	2402..3006, 3031..3232, 3453..4319, 4762..5248, 5604..5662, 5970..6146, 6782..7176, 7419..7479, 8420..8467		

Seq. No.	2338	Seq. ID	OJ990823_10.9C08.C12
Gene No.	4886	Strand	-
Start	1537	End	8467
Name	OJ990823_10.9C08.C12.o1.gp	Method	AAT/GAP
Start	7566	End	7872
GI	72524_1.R1084	Score	392
Exons	7566..7872		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	2339	Seq. ID	OJ990823_10.9C08.C14
Gene No.	4887	Strand	+
Start	2124	End	7044
Name	OJ990823_10.9C08.C14.o1.np	Method	AAT/NAP
Start	2124	End	7044
GI	6539588	Score	232
Exons	2124..2432, 6964..7044		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	2340	Seq. ID	OJ990823_10.9C08.C15
Gene No.	4888	Strand	+
Start	747	End	9423
Name	OJ990823_10.9C08.C15.o1.gs	Method	GENSCAN
Start	747	End	9423
GI	none	Score	.74
Exons	747..848, 1078..1197, 1576..1663, 5494..5627, 8981..9423		

Seq. No.	2340	Seq. ID	OJ990823_10.9C08.C15
Gene No.	4888	Strand	+
Start	747	End	9423
Name	OJ990823_10.9C08.C15.o1.np	Method	AAT/NAP
Start	1493	End	1771
GI	6539588	Score	141
Exons	1493..1771		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	2340	Seq. ID	OJ990823_10.9C08.C15
Gene No.	4889	Strand	-
Start	6480	End	6705
Name	OJ990823_10.9C08.C15.o1.gp	Method	AAT/GAP
Start	6480	End	6705

GI	2312838	Score	63
Exons	6480..6507, 6648..6705		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	2340	Seq. ID	OJ990823_10.9C08.C15
Gene No.	4890	Strand	-
Start	10386	End	13445
Name	OJ990823_10.9C08.C15.o2.gs	Method	GENSCAN
Start	10386	End	13445
GI	none	Score	.69
Exons	10386..10514, 10588..10805, 11458..11550, 12234..12344, 12804..12846, 13284..13445		

Seq. No.	2340	Seq. ID	OJ990823_10.9C08.C15
Gene No.	4891	Strand	-
Start	15333	End	18441
Name	OJ990823_10.9C08.C15.o2.np	Method	AAT/NAP
Start	14724	End	16029
GI	6815099	Score	94
Exons	14724..14838, 15971..16029		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	2340	Seq. ID	OJ990823_10.9C08.C15
Gene No.	4891	Strand	-
Start	15333	End	18441
Name	OJ990823_10.9C08.C15.o3.gs	Method	GENSCAN
Start	15333	End	18441
GI	none	Score	.72
Exons	15333..15551, 16637..16695, 17266..17442, 17686..17788, 18358..18441		

Seq. No.	2340	Seq. ID	OJ990823_10.9C08.C15
Gene No.	4892	Strand	-
Start	22763	End	23483
Name	OJ990823_10.9C08.C15.o4.gs	Method	GENSCAN
Start	22763	End	23483
GI	none	Score	.4
Exons	22763..22786, 23436..23483		

Seq. No.	2341	Seq. ID	OJ990823_10.9C08.C16
Gene No.	4893	Strand	+
Start	624	End	1005
Name	OJ990823_10.9C08.C16.o1.gs	Method	GENSCAN
Start	624	End	1005
GI	none	Score	.98
Exons	624..830, 921..1005		

Seq. No.	2342	Seq. ID	OJ990823_10.9C08.C18
Gene No.	4894	Strand	-
Start	2886	End	5487
Name	OJ990823_10.9C08.C18.o2.gs	Method	GENSCAN
Start	2886	End	5487
GI	none	Score	.61
Exons	2886..3005, 3076..3185, 3901..4052, 4765..4948, 5352..5487		

Seq. No.	2342	Seq. ID	OJ990823_10.9C08.C18

Gene No.	4895	Strand	-
Start	8591	End	9426
Name	OJ990823_10.9C08.C18.o3.gs	Method	GENSCAN
Start	8591	End	9426
GI	none	Score	.89
Exons	8591..9055, 9125..9243, 9294..9426		

Seq. No.	2343	Seq. ID	OJ990823_10.9C08.C19
Gene No.	4896	Strand	-
Start	1	End	690
Name	OJ990823_10.9C08.C19.o1.np	Method	AAT/NAP
Start	1	End	690
GI	4680203	Score	327
Exons	1..690		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	2343	Seq. ID	OJ990823_10.9C08.C19
Gene No.	4896	Strand	-
Start	1	End	690
Name	OJ990823_10.9C08.C19.o1.ts	Method	TBLASTX:Soybean
Start	6	End	246
GI	none	Score	141
Exons	6..245, 28..246		

Seq. No.	2343	Seq. ID	OJ990823_10.9C08.C19
Gene No.	4896	Strand	-
Start	1	End	690
Name	OJ990823_10.9C08.C19.o1.tw	Method	TBLASTX:Wheat
Start	7	End	242
GI	none	Score	133
Exons	7..240, 30..242		

Seq. No.	2344	Seq. ID	OJ990903_19.9C09.C1
Gene No.	4897	Strand	+
Start	1592	End	1778
Name	OJ990903_19.9C09.C1.o1.gp	Method	AAT/GAP
Start	1592	End	1778
GI	645_1.R1084	Score	302
Exons	1592..1778		
GI Descrip.	'3915131/sp|Q42443|THIH_ORYSA 5.0e-61 THIOREDOXIN H-TYPE (TRX-H) (PHLOEM SAP 13 KD PROTEIN-1) >gi_426442_dbj_BAA04864_ (D21836) thioredoxin h [Oryza sativa] >gi_454882_dbj_BAA05546_ (D26547) rice thioredoxin h [Oryza sativa] >gi_1930072 (U92541) thioredoxin h [Oryza sativa]'		

Seq. No.	2344	Seq. ID	OJ990903_19.9C09.C1
Gene No.	4898	Strand	+
Start	1686	End	2546
Name	OJ990903_19.9C09.C1.o1.np	Method	AAT/NAP
Start	1686	End	2546
GI	3915131	Score	136
Exons	1686..1779, 2497..2546		
GI Descrip.	THIOREDOXIN H-TYPE (TRX-H) (PHLOEM SAP 13 KD PROTEIN-1) gi|426442|dbj|BAA04864| (D21836) thioredoxin h [Oryza sativa] gi|454882|dbj|BAA05546.1| (D26547) rice thioredoxin h [Oryza sativa] gi|1930072 (U92541) thioredoxin h [Oryza sativa]		

Seq. No.	2345	Seq. ID	OJ990903_19.9C09.C2
Gene No.	4899	Strand	+
Start	2558	End	5453
Name	OJ990903_19.9C09.C2.o1.gs	Method	GENSCAN
Start	2558	End	5453
GI	none	Score	.51
Exons	2558..2701, 3827..3858, 4754..4882, 5002..5126, 5173..5453		

Seq. No.	2345	Seq. ID	OJ990903_19.9C09.C2
Gene No.	4899	Strand	+
Start	2558	End	5453
Name	OJ990903_19.9C09.C2.o2.np	Method	AAT/NAP
Start	5211	End	5450
GI	6706416	Score	144
Exons	5211..5450		
GI Descrip.	(AL133248) putative protein [Arabidopsis thaliana]		

Seq. No.	2345	Seq. ID	OJ990903_19.9C09.C2
Gene No.	4900	Strand	-
Start	1	End	1593
Name	OJ990903_19.9C09.C2.o1.np	Method	AAT/NAP
Start	1	End	1593
GI	5852093	Score	59
Exons	1..24, 1060..1086, 1494..1593		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	2345	Seq. ID	OJ990903_19.9C09.C2
Gene No.	4901	Strand	-
Start	1791	End	1938
Name	OJ990903_19.9C09.C2.o2.gp	Method	AAT/GAP
Start	1791	End	1938
GI	3106672	Score	237
Exons	1791..1938		
GI Descrip.	5734616/dbj|AP000391.1|AP000391 7.0e-48 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01		

Seq. No.	2345	Seq. ID	OJ990903_19.9C09.C2
Gene No.	4902	Strand	-
Start	4931	End	5630
Name	OJ990903_19.9C09.C2.o3.gp	Method	AAT/GAP
Start	4931	End	5630
GI	3856_1.R1084	Score	1237
Exons	4931..5630		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 7.0e-48 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	2345	Seq. ID	OJ990903_19.9C09.C2
Gene No.	4903	Strand	-
Start	6593	End	8621
Name	OJ990903_19.9C09.C2.o1.tw	Method	TBLASTX:Wheat
Start	5026	End	5456
GI	none	Score	55
Exons	5026..5121, 5027..5137, 5204..5314, 5205..5303, 5393..5452, 5394..5456		

Seq. No.	2345	Seq. ID	OJ990903_19.9C09.C2
Gene No.	4903	Strand	-

Start	6593	End	8621
Name	OJ990903_19.9C09.C2.o1.tc	Method	TBLASTX:Cress
Start	5065	End	5314
GI	none	Score	416
Exons	5065..5166, 5066..5314, 5067..5303		

Seq. No.	2345	Seq. ID	OJ990903_19.9C09.C2
Gene No.	4903	Strand	-
Start	6593	End	8621
Name	OJ990903_19.9C09.C2.o2.gs	Method	GENSCAN
Start	6593	End	8621
GI	none	Score	.58
Exons	6593..6760, 7795..8131, 8469..8621		

Seq. No.	2346	Seq. ID	OJ990903_19.9C09.C3
Gene No.	4904	Strand	-
Start	435	End	2821
Name	OJ990903_19.9C09.C3.o1.gs	Method	GENSCAN
Start	435	End	2821
GI	none	Score	.47
Exons	435..671, 2195..2451, 2707..2821		

Seq. No.	2347	Seq. ID	OJ990903_19.9C09.C4
Gene No.	4905	Strand	+
Start	187	End	411
Name	OJ990903_19.9C09.C4.o1.gs	Method	GENSCAN
Start	187	End	411
GI	none	Score	.92
Exons	187..411		

Seq. No.	2347	Seq. ID	OJ990903_19.9C09.C4
Gene No.	4906	Strand	-
Start	583	End	5068
Name	OJ990903_19.9C09.C4.o2.gs	Method	GENSCAN
Start	583	End	5068
GI	none	Score	.49
Exons	583..606, 1232..1355, 1439..1487, 1583..1655, 2109..2155, 3158..3230, 3521..3628, 4883..5068		

Seq. No.	2347	Seq. ID	OJ990903_19.9C09.C4
Gene No.	4906	Strand	-
Start	583	End	5068
Name	OJ990903_19.9C09.C4.o1.tc	Method	TBLASTX:Cress
Start	1216	End	1656
GI	none	Score	81
Exons	1216..1350, 1227..1355, 1229..1354, 1242..1361, 1436..1489, 1436..1465, 1438..1488, 1578..1655, 1579..1656		

Seq. No.	2347	Seq. ID	OJ990903_19.9C09.C4
Gene No.	4906	Strand	-
Start	583	End	5068
Name	OJ990903_19.9C09.C4.o1.ts	Method	TBLASTX:Soybean
Start	1232	End	1656
GI	none	Score	66
Exons	1232..1354, 1236..1355, 1436..1489, 1438..1488, 1578..1655, 1579..1656		

Seq. No.	2347	Seq. ID	OJ990903_19.9C09.C4
Gene No.	4906	Strand	-
Start	583	End	5068
Name	OJ990903_19.9C09.C4.o1.gp	Method	AAT/GAP
Start	1249	End	1636
GI	2280603	Score	346
Exons	1249..1355, 1439..1487, 1583..1636		

Seq. No.	2347	Seq. ID	OJ990903_19.9C09.C4
Gene No.	4906	Strand	-
Start	583	End	5068
Name	OJ990903_19.9C09.C4.o2.gp	Method	AAT/GAP
Start	1280	End	1655
GI	2280603	Score	298
Exons	1280..1355, 1439..1487, 1583..1655		

Seq. No.	2347	Seq. ID	OJ990903_19.9C09.C4
Gene No.	4906	Strand	-
Start	583	End	5068
Name	OJ990903_19.9C09.C4.o1.np	Method	AAT/NAP
Start	1439	End	1668
GI	3288716	Score	81
Exons	1439..1487, 1583..1668		
GI Descrip.	(AB015858) AMY-1 [Mus musculus]		

Seq. No.	2348	Seq. ID	OJ990903_19.9C09.C5
Gene No.	4907	Strand	+
Start	616	End	864
Name	OJ990903_19.9C09.C5.o1.gp	Method	AAT/GAP
Start	616	End	864
GI	none	Score	470
Exons	616..864		

Seq. No.	2349	Seq. ID	OJ990903_19.9C09.C7
Gene No.	4908	Strand	+
Start	1554	End	3024
Name	OJ990903_19.9C09.C7.o1.gs	Method	GENSCAN
Start	1554	End	3024
GI	none	Score	.57
Exons	1554..1637, 1668..1829, 2118..2214, 2449..2572, 2910..3024		

Seq. No.	2349	Seq. ID	OJ990903_19.9C09.C7
Gene No.	4909	Strand	+
Start	5947	End	6030
Name	OJ990903_19.9C09.C7.o2.np	Method	AAT/NAP
Start	5947	End	6030
GI	6630699	Score	68
Exons	5947..6030		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	2349	Seq. ID	OJ990903_19.9C09.C7
Gene No.	4910	Strand	+
Start	6166	End	6720
Name	OJ990903_19.9C09.C7.o3.np	Method	AAT/NAP
Start	6166	End	6720

GI	6539570	Score	141
Exons	6166..6269, 6372..6461, 6654..6720		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	2349	Seq. ID	OJ990903_19.9C09.C7
Gene No.	4911	Strand	-
Start	4180	End	6279
Name	OJ990903_19.9C09.C7.o1.np	Method	AAT/NAP
Start	4180	End	5485
GI	6815099	Score	79
Exons	4180..4297, 5464..5485		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	2349	Seq. ID	OJ990903_19.9C09.C7
Gene No.	4911	Strand	-
Start	4180	End	6279
Name	OJ990903_19.9C09.C7.o2.gs	Method	GENSCAN
Start	4340	End	6279
GI	none	Score	.63
Exons	4340..4477, 5941..6024, 6175..6279		

Seq. No.	2350	Seq. ID	OJ990903_19.9C09.C8
Gene No.	4913	Strand	-
Start	579	End	679
Name	OJ990903_19.9C09.C8.o2.np	Method	AAT/NAP
Start	579	End	679
GI	5922620	Score	141
Exons	579..679		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2351	Seq. ID	OJ990903_19.9C09.C9
Gene No.	4914	Strand	+
Start	253	End	613
Name	OJ990903_19.9C09.C9.o1.gp	Method	AAT/GAP
Start	253	End	398
GI	uC-osf1M202051d11b1	Score	206
Exons	253..398		
GI Descrip.	'4585989/gb|AAD25625.1|AC005287_27 9.0e-10 (AC005287) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	2351	Seq. ID	OJ990903_19.9C09.C9
Gene No.	4914	Strand	+
Start	253	End	613
Name	OJ990903_19.9C09.C9.o1.np	Method	AAT/NAP
Start	261	End	613
GI	4585989	Score	82
Exons	261..373, 578..613		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2351	Seq. ID	OJ990903_19.9C09.C9
Gene No.	4914	Strand	+
Start	253	End	613
Name	OJ990903_19.9C09.C9.o1.gs	Method	GENSCAN

Start	263	End	373
GI	none	Score	.48
Exons	263..373		

Seq. No.	2352	Seq. ID	OJ990903_19.9C09.C10
Gene No.	4915	Strand	+
Start	11542	End	11952
Name	OJ990903_19.9C09.C10.o6.gp	Method	AAT/GAP
Start	11542	End	11952
GI	LIB3431-002-P1-N1-B12	Score	814
Exons	11542..11952		
GI Descrip.	'2244806/emb|CAB10229.1| 9.0e-28 (Z97336) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	2352	Seq. ID	OJ990903_19.9C09.C10
Gene No.	4916	Strand	-
Start	1797	End	9961
Name	OJ990903_19.9C09.C10.o1.gp	Method	AAT/GAP
Start	1449	End	1953
GI	LIB3434-038-P1-K1-E8	Score	869
Exons	1449..1953		
GI Descrip.	'2244806/emb|CAB10229.1| 9.0e-28 (Z97336) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	2352	Seq. ID	OJ990903_19.9C09.C10
Gene No.	4916	Strand	-
Start	1797	End	9961
Name	OJ990903_19.9C09.C10.o1.gs	Method	GENSCAN
Start	1797	End	9961
GI	none	Score	.69
Exons	1797..1963, 1985..2518, 2636..3140, 3218..3824, 3943..3980, 5590..5775, 6004..6067, 6115..6550, 6681..6762, 7888..8064, 8411..8570, 9576..9961		

Seq. No.	2352	Seq. ID	OJ990903_19.9C09.C10
Gene No.	4916	Strand	-
Start	1797	End	9961
Name	OJ990903_19.9C09.C10.o1.np	Method	AAT/NAP
Start	1905	End	4162
GI	3450842	Score	1267
Exons	1905..2258, 2319..2518, 2642..2906, 2960..3140, 3218..3824, 3943..3980, 4070..4162		
GI Descrip.	(AF080436) mitogen activated protein kinase kinase [Oryza sativa]		

Seq. No.	2352	Seq. ID	OJ990903_19.9C09.C10
Gene No.	4916	Strand	-
Start	1797	End	9961
Name	OJ990903_19.9C09.C10.o2.gp	Method	AAT/GAP
Start	2183	End	2523
GI	701181	Score	630
Exons	2183..2523		
GI Descrip.	3450842 1.0e-15 (AF080436) mitogen activated protein kinase kinase [Oryza sativa]		

Seq. No.	2352	Seq. ID	OJ990903_19.9C09.C10
Gene No.	4916	Strand	-

Start	1797	End	9961
Name	OJ990903_19.9C09.C10.o3.gp	Method	AAT/GAP
Start	5764	End	6077
GI	3763436	Score	517
Exons	5764..6077		

Seq. No.	2352	Seq. ID	OJ990903_19.9C09.C10
Gene No.	4916	Strand	-
Start	1797	End	9961
Name	OJ990903_19.9C09.C10.o2.np	Method	AAT/NAP
Start	6117	End	9961
GI	2244806	Score	943
Exons	6117..6555, 7697..7816, 7885..8064, 8411..8547, 9580..9961		
GI Descrip.	(Z97336) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2352	Seq. ID	OJ990903_19.9C09.C10
Gene No.	4916	Strand	-
Start	1797	End	9961
Name	OJ990903_19.9C09.C10.o4.gp	Method	AAT/GAP
Start	6171	End	6748
GI	3763435	Score	829
Exons	6171..6550, 6681..6748		
GI Descrip.	2244806/emb|CAB10229.1| 9.0e-28 (Z97336) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2352	Seq. ID	OJ990903_19.9C09.C10
Gene No.	4916	Strand	-
Start	1797	End	9961
Name	OJ990903_19.9C09.C10.o5.gp	Method	AAT/GAP
Start	8631	End	9082
GI	4879172	Score	804
Exons	8631..9082		

Seq. No.	2352	Seq. ID	OJ990903_19.9C09.C10
Gene No.	4917	Strand	-
Start	15530	End	16185
Name	OJ990903_19.9C09.C10.o3.np	Method	AAT/NAP
Start	15530	End	16185
GI	4455358	Score	224
Exons	15530..16185		
GI Descrip.	(AL035524) putative protein [Arabidopsis thaliana]		

Seq. No.	2352	Seq. ID	OJ990903_19.9C09.C10
Gene No.	4917	Strand	-
Start	15530	End	16185
Name	OJ990903_19.9C09.C10.o7.gp	Method	AAT/GAP
Start	15735	End	16169
GI	none	Score	796
Exons	15735..16169		

Seq. No.	2352	Seq. ID	OJ990903_19.9C09.C10
Gene No.	4918	Strand	-
Start	18658	End	21096
Name	OJ990903_19.9C09.C10.o4.tm	Method	TBLASTX:Maize
Start	2019	End	2517
GI	none	Score	70
Exons	2019..2147, 2019..2168, 2035..2166, 2199..2258, 2200..2244,		

2358..2516, 2359..2517

Seq. No.	2352	Seq. ID	OJ990903_19.9C09.C10
Gene No.	4918	Strand	-
Start	18658	End	21096
Name	OJ990903_19.9C09.C10.o4.tc	Method	TBLASTX:Cress
Start	2124	End	3125
GI	none	Score	65
Exons	2124..2165, 2358..2519, 2640..2732, 2641..2712, 3072..3125		

Seq. No.	2352	Seq. ID	OJ990903_19.9C09.C10
Gene No.	4918	Strand	-
Start	18658	End	21096
Name	OJ990903_19.9C09.C10.o3.ts	Method	TBLASTX:Soybean
Start	2358	End	2717
GI	none	Score	102
Exons	2358..2519, 2640..2717		

Seq. No.	2352	Seq. ID	OJ990903_19.9C09.C10
Gene No.	4918	Strand	-
Start	18658	End	21096
Name	OJ990903_19.9C09.C10.o1.ts	Method	TBLASTX:Soybean
Start	3072	End	3824
GI	none	Score	65
Exons	3072..3140, 3085..3141, 3218..3379, 3219..3377, 3410..3823, 3432..3641, 3623..3799, 3777..3824		

Seq. No.	2352	Seq. ID	OJ990903_19.9C09.C10
Gene No.	4918	Strand	-
Start	18658	End	21096
Name	OJ990903_19.9C09.C10.o2.tm	Method	TBLASTX:Maize
Start	3072	End	3824
GI	none	Score	65
Exons	3072..3140, 3085..3141, 3218..3379, 3219..3377, 3410..3823, 3432..3641, 3623..3799, 3777..3824		

Seq. No.	2352	Seq. ID	OJ990903_19.9C09.C10
Gene No.	4918	Strand	-
Start	18658	End	21096
Name	OJ990903_19.9C09.C10.o1.tc	Method	TBLASTX:Cress
Start	3215	End	3530
GI	none	Score	127
Exons	3215..3529, 3216..3383, 3432..3530		

Seq. No.	2352	Seq. ID	OJ990903_19.9C09.C10
Gene No.	4918	Strand	-
Start	18658	End	21096
Name	OJ990903_19.9C09.C10.o5.tc	Method	TBLASTX:Cress
Start	3629	End	4105
GI	none	Score	83
Exons	3629..3799, 3629..3823, 3777..3821, 3942..3983, 3943..3978, 4070..4105, 4071..4091		

Seq. No.	2352	Seq. ID	OJ990903_19.9C09.C10
Gene No.	4918	Strand	-
Start	18658	End	21096
Name	OJ990903_19.9C09.C10.o1.tm	Method	TBLASTX:Maize

Start	6106	End	9965
GI	none	Score	438
Exons	6106..6558, 6117..6560, 6682..6765, 6683..6763, 6684..6770, 7702..7797, 7702..7782, 7712..7795, 7716..7799, 7888..8070, 7888..8061, 7889..8080, 7889..8065, 8396..8569, 8410..8562, 8411..8572, 9674..9964, 9699..9737, 9804..9965		

Seq. No.	2352	Seq. ID	OJ990903_19.9C09.C10
Gene No.	4918	Strand	-
Start	18658	End	21096
Name	OJ990903_19.9C09.C10.o2.ts	Method	TBLASTX:Soybean
Start	6321	End	9934
GI	none	Score	126
Exons	6321..6572, 6331..6516, 6677..6763, 6682..6765, 7712..7795, 7716..7805, 7888..8070, 7888..8061, 8411..8506, 9815..9934		

Seq. No.	2352	Seq. ID	OJ990903_19.9C09.C10
Gene No.	4918	Strand	-
Start	18658	End	21096
Name	OJ990903_19.9C09.C10.o2.tc	Method	TBLASTX:Cress
Start	6408	End	8494
GI	none	Score	96
Exons	6408..6560, 6427..6552, 6682..6765, 6683..6763, 7712..7795, 7716..7805, 7888..8070, 7888..8061, 8411..8494		

Seq. No.	2352	Seq. ID	OJ990903_19.9C09.C10
Gene No.	4918	Strand	-
Start	18658	End	21096
Name	OJ990903_19.9C09.C10.o3.tc	Method	TBLASTX:Cress
Start	9686	End	9973
GI	none	Score	242
Exons	9686..9763, 9758..9973		

Seq. No.	2352	Seq. ID	OJ990903_19.9C09.C10
Gene No.	4918	Strand	-
Start	18658	End	21096
Name	OJ990903_19.9C09.C10.o3.tm	Method	TBLASTX:Maize
Start	15506	End	16078
GI	none	Score	257
Exons	15506..15733, 15506..15844, 15516..15842, 15809..15859, 16025..16078		

Seq. No.	2352	Seq. ID	OJ990903_19.9C09.C10
Gene No.	4918	Strand	-
Start	18658	End	21096
Name	OJ990903_19.9C09.C10.o4.ts	Method	TBLASTX:Soybean
Start	15611	End	15802
GI	none	Score	119
Exons	15611..15802, 15615..15710		

Seq. No.	2352	Seq. ID	OJ990903_19.9C09.C10
Gene No.	4918	Strand	-
Start	18658	End	21096
Name	OJ990903_19.9C09.C10.o6.tc	Method	TBLASTX:Cress
Start	15611	End	15802
GI	none	Score	220
Exons	15611..15802		

Seq. No.	2352	Seq. ID	OJ990903_19.9C09.C10
Gene No.	4918	Strand	-
Start	18658	End	21096
Name	OJ990903_19.9C09.C10.o3.gs	Method	GENSCAN
Start	18658	End	21096
GI	none	Score	.82
Exons	18658..18671, 20176..20245, 20860..21096		

Seq. No.	2353	Seq. ID	OJ990903_19.9C09.C12
Gene No.	4919	Strand	-
Start	132	End	1988
Name	OJ990903_19.9C09.C12.o1.gs	Method	GENSCAN
Start	132	End	1988
GI	none	Score	.49
Exons	132..169, 286..308, 423..526, 1256..1309, 1971..1988		

Seq. No.	2354	Seq. ID	OJ990903_19.9C09.C13
Gene No.	4920	Strand	+
Start	1	End	881
Name	OJ990903_19.9C09.C13.o1.gp	Method	AAT/GAP
Start	1	End	298
GI	83775_1.R1084	Score	458
Exons	1..298		
GI Descrip.	'4538911/emb|CAB39648.1| 2.0e-18 (AL049482) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	2354	Seq. ID	OJ990903_19.9C09.C13
Gene No.	4920	Strand	+
Start	1	End	881
Name	OJ990903_19.9C09.C13.o1.tm	Method	TBLASTX:Maize
Start	2	End	881
GI	none	Score	171
Exons	2..169, 2..169, 219..386, 221..385, 312..386, 825..881, 825..881		

Seq. No.	2355	Seq. ID	OJ990903_19.9C09.C14
Gene No.	4921	Strand	+
Start	320	End	1094
Name	OJ990903_19.9C09.C14.o1.np	Method	AAT/NAP
Start	320	End	760
GI	3915131	Score	425
Exons	320..524, 608..760		
GI Descrip.	THIOREDOXIN H-TYPE (TRX-H) (PHLOEM SAP 13 KD PROTEIN-1) gi|426442|dbj|BAA04864| (D21836) thioredoxin h [Oryza sativa] gi|454882|dbj|BAA05546.1| (D26547) rice thioredoxin h [Oryza sativa] gi|1930072 (U92541) thioredoxin h [Oryza sativa]		

Seq. No.	2355	Seq. ID	OJ990903_19.9C09.C14
Gene No.	4921	Strand	+
Start	320	End	1094
Name	OJ990903_19.9C09.C14.o1.tc	Method	TBLASTX:Cress
Start	401	End	733
GI	none	Score	180
Exons	401..496, 402..524, 405..524, 605..733, 610..729		

Seq. No.	2355	Seq. ID	OJ990903_19.9C09.C14
Gene No.	4921	Strand	+

Start	320	End	1094
Name	OJ990903_19.9C09.C14.o1.tw	Method	TBLASTX:Wheat
Start	401	End	721
GI	none	Score	119
Exons	401..523, 401..496, 402..524,	409..522, 611..721, 613..717	

Seq. No.	2355	Seq. ID	OJ990903_19.9C09.C14
Gene No.	4921	Strand	+
Start	320	End	1094
Name	OJ990903_19.9C09.C14.o1.tm	Method	TBLASTX:Maize
Start	401	End	765
GI	none	Score	175
Exons	401..496, 402..548, 408..545,	605..730, 607..762, 631..765	

Seq. No.	2355	Seq. ID	OJ990903_19.9C09.C14
Gene No.	4921	Strand	+
Start	320	End	1094
Name	OJ990903_19.9C09.C14.o1.gp	Method	AAT/GAP
Start	402	End	1094
GI	645_1.R1084	Score	1152
Exons	402..524, 608..1094		
GI Descrip.	'3915131/sp|Q42443|THIH_ORYSA 5.0e-61 THIOREDOXIN H-TYPE (TRX-H) (PHLOEM SAP 13 KD PROTEIN-1) >gi_426442_dbj_BAA04864_ (D21836) thioredoxin h [Oryza sativa] >gi_454882_dbj_BAA05546_ (D26547) rice thioredoxin h [Oryza sativa] >gi_1930072 (U92541) thioredoxin h [Oryza sativa]'		

Seq. No.	2355	Seq. ID	OJ990903_19.9C09.C14
Gene No.	4921	Strand	+
Start	320	End	1094
Name	OJ990903_19.9C09.C14.o1.gs	Method	GENSCAN
Start	402	End	763
GI	none	Score	.79
Exons	402..524, 608..763		

Seq. No.	2355	Seq. ID	OJ990903_19.9C09.C14
Gene No.	4921	Strand	+
Start	320	End	1094
Name	OJ990903_19.9C09.C14.o1.ts	Method	TBLASTX:Soybean
Start	402	End	747
GI	none	Score	183
Exons	402..524, 410..496, 412..516,	605..730, 631..747	

Seq. No.	2356	Seq. ID	OJ990903_19.9C09.C16
Gene No.	4922	Strand	+
Start	1	End	630
Name	OJ990903_19.9C09.C16.o1.gp	Method	AAT/GAP
Start	1	End	327
GI	uC-osf1M202051d11b1	Score	631
Exons	1..327		
GI Descrip.	'4585989/gb|AAD25625.1|AC005287_27 9.0e-10 (AC005287) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	2356	Seq. ID	OJ990903_19.9C09.C16
Gene No.	4922	Strand	+
Start	1	End	630
Name	OJ990903_19.9C09.C16.o1.tm	Method	TBLASTX:Maize

Start	1	End	540
GI	none	Score	230
Exons	1..168, 1..165, 2..166, 3..167, 76..285, 166..279, 167..286, 216..290, 299..385, 330..365, 365..403, 377..445, 402..440, 402..449, 403..456, 479..511, 511..540		

Seq. No.	2356	Seq. ID	OJ990903_19.9C09.C16
Gene No.	4922	Strand	+
Start	1	End	630
Name	OJ990903_19.9C09.C16.o1.gs	Method	GENSCAN
Start	111	End	630
GI	none	Score	.95
Exons	111..196, 504..630		

Seq. No.	2357	Seq. ID	OJ990903_19.9C09.C17
Gene No.	4923	Strand	+
Start	671	End	1527
Name	OJ990903_19.9C09.C17.o1.tm	Method	TBLASTX:Maize
Start	23	End	1527
GI	none	Score	82
Exons	23..82, 29..82, 657..782, 661..795, 665..790, 727..798, 894..941, 895..942, 895..942, 1041..1142, 1061..1141, 1063..1155, 1063..1146, 1380..1526, 1382..1525, 1384..1527		

Seq. No.	2357	Seq. ID	OJ990903_19.9C09.C17
Gene No.	4923	Strand	+
Start	671	End	1527
Name	OJ990903_19.9C09.C17.o1.gs	Method	GENSCAN
Start	671	End	1527
GI	none	Score	.47
Exons	671..794, 1454..1527		

Seq. No.	2358	Seq. ID	OJ990903_19.9C09.C18
Gene No.	4924	Strand	+
Start	1878	End	5519
Name	OJ990903_19.9C09.C18.o1.tm	Method	TBLASTX:Maize
Start	135	End	5510
GI	none	Score	83
Exons	135..200, 136..210, 139..210, 4187..4291, 4191..4295, 4191..4283, 4192..4284, 4193..4288, 4351..4470, 4353..4469, 4355..4471, 4976..5086, 4982..5080, 4984..5088, 5322..5387, 5325..5390, 5341..5394, 5423..5506, 5442..5510, 5445..5504		

Seq. No.	2358	Seq. ID	OJ990903_19.9C09.C18
Gene No.	4924	Strand	+
Start	1878	End	5519
Name	OJ990903_19.9C09.C18.o1.gs	Method	GENSCAN
Start	1878	End	5507
GI	none	Score	.64
Exons	1878..2288, 2615..2754, 3683..3743, 4354..4471, 4985..5087, 5324..5507		

Seq. No.	2358	Seq. ID	OJ990903_19.9C09.C18
Gene No.	4924	Strand	+
Start	1878	End	5519
Name	OJ990903_19.9C09.C18.o2.np	Method	AAT/NAP
Start	4194	End	5519

GI	6225596	Score	66
Exons	4194..4286, 4369..4471, 4985..5095, 5335..5519		
GI Descrip.	ATP-DEPENDENT DNA HELICASE II, 70 KD SUBUNIT (KU AUTOANTIGEN PROTEIN P70 HOMOLOG) (KU70) gi|3374509|dbj|BAA32018| (AB016529) Ku70 [Gallus gallus]		

Seq. No.	2358	Seq. ID	OJ990903_19.9C09.C18
Gene No.	4924	Strand	+
Start	1878	End	5519
Name	OJ990903_19.9C09.C18.o1.gp	Method	AAT/GAP
Start	5345	End	5507
GI	568027	Score	302
Exons	5345..5507		

Seq. No.	2359	Seq. ID	OJ990903_19.9C09.C19
Gene No.	4925	Strand	+
Start	41	End	179
Name	OJ990903_19.9C09.C19.o1.gp	Method	AAT/GAP
Start	41	End	179
GI	4968751	Score	206
Exons	41..179		
GI Descrip.	3915131/sp|Q42443|THIH_ORYSA 5.0e-52 THIOREDOXIN H-TYPE (TRX-H) (PHLOEM SAP 13 KD PROTEIN-1) >gi_426442_dbj_BAA04864_ (D21836) thioredoxin h [Oryza sativa] >gi_454882_dbj_BAA05546_ (D26547) rice thioredoxin h [Oryza sativa] >gi_1930072 (U92541) thioredoxin h [Oryza sativa]		

Seq. No.	2359	Seq. ID	OJ990903_19.9C09.C19
Gene No.	4926	Strand	-
Start	1	End	259
Name	OJ990903_19.9C09.C19.o1.np	Method	AAT/NAP
Start	1	End	259
GI	3915131	Score	189
Exons	1..259		
GI Descrip.	THIOREDOXIN H-TYPE (TRX-H) (PHLOEM SAP 13 KD PROTEIN-1) gi|426442|dbj|BAA04864| (D21836) thioredoxin h [Oryza sativa] gi|454882|dbj|BAA05546.1| (D26547) rice thioredoxin h [Oryza sativa] gi|1930072 (U92541) thioredoxin h [Oryza sativa]		

Seq. No.	2359	Seq. ID	OJ990903_19.9C09.C19
Gene No.	4926	Strand	-
Start	1	End	259
Name	OJ990903_19.9C09.C19.o1.tm	Method	TBLASTX:Maize
Start	31	End	178
GI	none	Score	127
Exons	31..177, 34..171, 41..178, 50..178		

Seq. No.	2359	Seq. ID	OJ990903_19.9C09.C19
Gene No.	4926	Strand	-
Start	1	End	259
Name	OJ990903_19.9C09.C19.o1.gs	Method	GENSCAN
Start	55	End	177
GI	none	Score	.53
Exons	55..177		

Seq. No.	2359	Seq. ID	OJ990903_19.9C09.C19
Gene No.	4926	Strand	-

Start	1	End	259
Name	OJ990903_19.9C09.C19.o1.tw	Method	TBLASTX:Wheat
Start	55	End	178
GI	none	Score	103
Exons	55..177, 56..178, 57..170, 83..178		

Seq. No.	2359	Seq. ID	OJ990903_19.9C09.C19
Gene No.	4926	Strand	-
Start	1	End	259
Name	OJ990903_19.9C09.C19.o1.tc	Method	TBLASTX:Cress
Start	55	End	178
GI	none	Score	95
Exons	55..174, 55..177, 83..178		

Seq. No.	2359	Seq. ID	OJ990903_19.9C09.C19
Gene No.	4926	Strand	-
Start	1	End	259
Name	OJ990903_19.9C09.C19.o1.ts	Method	TBLASTX:Soybean
Start	55	End	177
GI	none	Score	73
Exons	55..177, 63..167, 83..169		

Seq. No.	2360	Seq. ID	OJ990903_19.9C09.C20
Gene No.	4927	Strand	+
Start	2418	End	2660
Name	OJ990903_19.9C09.C20.o1.gs	Method	GENSCAN
Start	2418	End	2660
GI	none	Score	.9
Exons	2418..2660		

Seq. No.	2361	Seq. ID	OJ990903_19.9C09.C21
Gene No.	4928	Strand	+
Start	2346	End	4511
Name	OJ990903_19.9C09.C21.o1.gs	Method	GENSCAN
Start	2346	End	4511
GI	none	Score	.41
Exons	2346..2643, 3537..3594, 3933..4128, 4431..4511		

Seq. No.	2361	Seq. ID	OJ990903_19.9C09.C21
Gene No.	4928	Strand	+
Start	2346	End	4511
Name	OJ990903_19.9C09.C21.o1.np	Method	AAT/NAP
Start	2404	End	3864
GI	347455	Score	62
Exons	2404..2754, 3829..3864		
GI Descrip.	(L22030) hydroxyproline-rich glycoprotein [Glycine max]		

Seq. No.	2362	Seq. ID	OJ990903_19.9C09.C23
Gene No.	4929	Strand	+
Start	188	End	360
Name	OJ990903_19.9C09.C23.o1.gs	Method	GENSCAN
Start	188	End	360
GI	none	Score	.84
Exons	188..360		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4930	Strand	+

Start	843	End	1663
Name	OJ990823_13.9C03.C1.o1.gs	Method	GENSCAN
Start	843	End	1663
GI	none	Score	.98
Exons	843..1189, 1543..1663		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4931	Strand	+
Start	17615	End	19976
Name	OJ990823_13.9C03.C1.o3.np	Method	AAT/NAP
Start	17615	End	19976
GI	5922634	Score	71
Exons	17615..17715, 19937..19976		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4932	Strand	+
Start	27258	End	31268
Name	OJ990823_13.9C03.C1.o4.gs	Method	GENSCAN
Start	27258	End	31268
GI	none	Score	.43
Exons	27258..27310, 28121..28396, 28558..28698, 29361..29433, 30499..30714, 31236..31268		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4933	Strand	+
Start	38260	End	40727
Name	OJ990823_13.9C03.C1.o5.np	Method	AAT/NAP
Start	38260	End	40727
GI	4115384	Score	108
Exons	38260..38289, 40132..40281, 40519..40727		
GI Descrip.	(AC005967) unknown protein [Arabidopsis thaliana]		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4934	Strand	+
Start	50131	End	51632
Name	OJ990823_13.9C03.C1.o7.gs	Method	GENSCAN
Start	50131	End	51632
GI	none	Score	.56
Exons	50131..50165, 51416..51632		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4935	Strand	+
Start	55308	End	55740
Name	OJ990823_13.9C03.C1.o3.gp	Method	AAT/GAP
Start	55308	End	55740
GI	none	Score	811
Exons	55308..55740		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4936	Strand	+
Start	56383	End	59083
Name	OJ990823_13.9C03.C1.o8.np	Method	AAT/NAP
Start	56383	End	59083
GI	4926870	Score	51

Exons	56383..56450, 58883..59083		
GI Descrip.	(AC007509) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		
Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4936	Strand	+
Start	56383	End	59083
Name	OJ990823_13.9C03.C1.o4.gp	Method	AAT/GAP
Start	56470	End	58276
GI	none	Score	2061
Exons	56470..56764, 57487..58276		
Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4937	Strand	+
Start	70435	End	77406
Name	OJ990823_13.9C03.C1.o10.gs	Method	GENSCAN
Start	70435	End	77406
GI	none	Score	.55
Exons	70435..70624, 71237..71325, 71425..71478, 72219..72392, 72627..74221, 74335..74618, 74801..74994, 75329..75678, 76160..76347, 76841..76954, 77207..77406		
Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4937	Strand	+
Start	70435	End	77406
Name	OJ990823_13.9C03.C1.o9.np	Method	AAT/NAP
Start	71672	End	76592
GI	6539553	Score	5152
Exons	71672..74803, 76531..76592		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4938	Strand	+
Start	78169	End	80230
Name	OJ990823_13.9C03.C1.o11.np	Method	AAT/NAP
Start	78169	End	80230
GI	6721561	Score	134
Exons	78169..78273, 79839..80052, 80207..80230		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4939	Strand	+
Start	83997	End	85612
Name	OJ990823_13.9C03.C1.o12.gs	Method	GENSCAN
Start	83997	End	85612
GI	none	Score	.71
Exons	83997..84003, 85374..85612		
Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4940	Strand	+

Start	86153	End	95917
Name	OJ990823_13.9C03.C1.o13.np	Method	AAT/NAP
Start	86153	End	95074
GI	4680207	Score	1170
Exons	86153..86189, 90006..90807, 92151..93993, 94946..95074		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4940	Strand	+
Start	86153	End	95917
Name	OJ990823_13.9C03.C1.o14.gs	Method	GENSCAN
Start	89993	End	95917
GI	none	Score	.57
Exons	89993..90807, 92067..92341, 93164..93346, 93560..94029, 94197..94394, 94549..94684, 95862..95917		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4940	Strand	+
Start	86153	End	95917
Name	OJ990823_13.9C03.C1.o14.np	Method	AAT/NAP
Start	94197	End	94785
GI	3021713	Score	283
Exons	94197..94385, 94540..94785		
GI Descrip.	(AB012605) MRL [Oryza sativa]		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4941	Strand	-
Start	2093	End	17796
Name	OJ990823_13.9C03.C1.o2.gs	Method	GENSCAN
Start	2093	End	17796
GI	none	Score	.45
Exons	2093..2507, 2715..3051, 3469..3820, 3831..5494, 5897..6377, 6468..6677, 6826..6884, 9400..9484, 9578..9705, 9902..10069, 11847..12113, 13864..13959, 14515..14832, 15143..15326, 15800..16059, 17748..17796		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4941	Strand	-
Start	2093	End	17796
Name	OJ990823_13.9C03.C1.o1.np	Method	AAT/NAP
Start	2096	End	6677
GI	4680179	Score	6414
Exons	2096..6677		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4941	Strand	-
Start	2093	End	17796
Name	OJ990823_13.9C03.C1.o2.np	Method	AAT/NAP
Start	12133	End	12537
GI	2462640	Score	613
Exons	12133..12537		
GI Descrip.	(Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4942	Strand	-

Start	34494	End	51810
Name	OJ990823_13.9C03.C1.o5.gs	Method	GENSCAN
Start	34494	End	38451
GI	none	Score	.7
Exons	34494..34612, 36618..36740, 36981..37050, 37138..37282, 37362..37499, 37546..37699, 37860..38451		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4942	Strand	-
Start	34494	End	51810
Name	OJ990823_13.9C03.C1.o4.np	Method	AAT/NAP
Start	38020	End	44773
GI	5295937	Score	127
Exons	38020..38139, 39665..39848, 44709..44773		
GI Descrip.	(AB026295) hypothetical protein [Oryza sativa]		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4942	Strand	-
Start	34494	End	51810
Name	OJ990823_13.9C03.C1.o1.gp	Method	AAT/GAP
Start	38064	End	38498
GI	none	Score	854
Exons	38064..38498		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4942	Strand	-
Start	34494	End	51810
Name	OJ990823_13.9C03.C1.o6.gs	Method	GENSCAN
Start	39698	End	47856
GI	none	Score	.66
Exons	39698..40141, 40360..40423, 40573..40839, 41832..41919, 44509..44602, 44703..44858, 45018..45077, 45577..45795, 45879..46218, 47630..47856		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4942	Strand	-
Start	34494	End	51810
Name	OJ990823_13.9C03.C1.o6.np	Method	AAT/NAP
Start	43533	End	47860
GI	4454028	Score	668
Exons	43533..43687, 44509..44644, 44703..44858, 45018..45090, 45560..45795, 45879..46219, 47645..47860		
GI Descrip.	(AL035394) tyrosine transaminase like protein [Arabidopsis thaliana]		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4942	Strand	-
Start	34494	End	51810
Name	OJ990823_13.9C03.C1.o2.gp	Method	AAT/GAP
Start	46145	End	46218
GI	uC-osroM202041b11b1	Score	114
Exons	46145..46218		
GI Descrip.	'4512651/gb|AAD21706.1| 1.0e-15 (AC007048) putative tyrosine transaminase [Arabidopsis thaliana]'		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4942	Strand	-

Start	34494	End	51810
Name	OJ990823_13.9C03.C1.o7.np	Method	AAT/NAP
Start	46896	End	51810
GI	4539658	Score	74
Exons	46896..46923, 51413..51484, 51572..51810		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4943	Strand	-
Start	53067	End	63032
Name	OJ990823_13.9C03.C1.o8.gs	Method	GENSCAN
Start	53067	End	63032
GI	none	Score	.63
Exons	53067..53158, 53406..53461, 53533..53621, 54864..54960, 55443..55596, 56677..56803, 57857..57956, 59633..59757, 60303..60418, 60702..60806, 61024..61273, 61374..61433, 62372..62590, 62685..63032		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4943	Strand	-
Start	53067	End	63032
Name	OJ990823_13.9C03.C1.o5.gp	Method	AAT/GAP
Start	60498	End	60814
GI	none	Score	619
Exons	60498..60814		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4944	Strand	-
Start	65626	End	68824
Name	OJ990823_13.9C03.C1.o9.gs	Method	GENSCAN
Start	65626	End	68824
GI	none	Score	.67
Exons	65626..65940, 67781..67858, 68085..68369, 68816..68824		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4945	Strand	-
Start	72496	End	75693
Name	OJ990823_13.9C03.C1.o10.np	Method	AAT/NAP
Start	72496	End	75693
GI	6682625	Score	151
Exons	72496..72524, 75156..75693		
GI Descrip.	(AC016163) putative disease resistance protein [Arabidopsis thaliana]		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4946	Strand	-
Start	78297	End	81277
Name	OJ990823_13.9C03.C1.o11.gs	Method	GENSCAN
Start	78297	End	81277
GI	none	Score	.64
Exons	78297..78402, 79150..79288, 79540..79574, 79775..80117, 80332..80379, 80893..81277		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4946	Strand	-
Start	78297	End	81277

Name	OJ990823_13.9C03.C1.o7.gp	Method	AAT/GAP
Start	79844	End	80106
GI	none	Score	485
Exons	79844..80106		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o21.tm	Method	TBLASTX:Maize
Start	2120	End	2332
GI	none	Score	204
Exons	2120..2332		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o8.tw	Method	TBLASTX:Wheat
Start	2141	End	2474
GI	none	Score	75
Exons	2141..2473, 2337..2474		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o2.tm	Method	TBLASTX:Maize
Start	2333	End	2920
GI	none	Score	124
Exons	2333..2602, 2334..2546, 2663..2761, 2664..2759, 2759..2920, 2766..2912		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o2.tw	Method	TBLASTX:Wheat
Start	2474	End	3100
GI	none	Score	57
Exons	2474..3100, 2475..2552, 2477..3010, 2595..3044		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o5.tm	Method	TBLASTX:Maize
Start	2969	End	3259
GI	none	Score	159
Exons	2969..3259, 2972..3190		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o5.ts	Method	TBLASTX:Soybean
Start	3059	End	3319
GI	none	Score	60
Exons	3059..3127, 3059..3319, 3152..3190, 3213..3314		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291

Name	OJ990823_13.9C03.C1.o4.tw	Method	TBLASTX:Wheat
Start	3107	End	3586
GI	none	Score	204
Exons	3107..3586, 3108..3491, 3449..3568		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o3.tw	Method	TBLASTX:Wheat
Start	3590	End	4100
GI	none	Score	126
Exons	3590..3817, 3680..3817, 3804..4100, 3827..3982, 3844..4068		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o3.tm	Method	TBLASTX:Maize
Start	3674	End	4028
GI	none	Score	63
Exons	3674..3814, 3759..3815, 3804..4028, 3807..3986, 3844..4026		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o9.ts	Method	TBLASTX:Soybean
Start	3849	End	4091
GI	none	Score	197
Exons	3849..4091		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o7.tm	Method	TBLASTX:Maize
Start	4065	End	4565
GI	none	Score	84
Exons	4065..4400, 4183..4314, 4386..4565		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o7.tw	Method	TBLASTX:Wheat
Start	4101	End	4403
GI	none	Score	234
Exons	4101..4403, 4102..4383		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o2.ts	Method	TBLASTX:Soybean
Start	4107	End	4511
GI	none	Score	110
Exons	4107..4370, 4116..4475, 4117..4380, 4398..4472, 4479..4511, 4479..4511		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291

Name	OJ990823_13.9C03.C1.o5.tw	Method	TBLASTX:Wheat
Start	4452	End	4938
GI	none	Score	184
Exons	4452..4934, 4494..4934, 4495..4938		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o11.tm	Method	TBLASTX:Maize
Start	4633	End	4925
GI	none	Score	153
Exons	4633..4824, 4635..4925, 4664..4867, 4852..4923		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o14.tw	Method	TBLASTX:Wheat
Start	5109	End	5462
GI	none	Score	90
Exons	5109..5462, 5112..5285, 5113..5286		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o20.tm	Method	TBLASTX:Maize
Start	5196	End	5516
GI	none	Score	208
Exons	5196..5516		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o22.tm	Method	TBLASTX:Maize
Start	5871	End	6167
GI	none	Score	72
Exons	5871..6167, 5961..6077, 5980..6150		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o12.tw	Method	TBLASTX:Wheat
Start	6048	End	6411
GI	none	Score	112
Exons	6048..6407, 6049..6411		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o14.tm	Method	TBLASTX:Maize
Start	10646	End	10975
GI	none	Score	245
Exons	10646..10975		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o15.tm	Method	TBLASTX:Maize

Start	11222	End	11590
GI	none	Score	63
Exons	11222..11326, 11244..11321, 11390..11590, 11403..11519		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o16.tw	Method	TBLASTX:Wheat
Start	11267	End	11558
GI	none	Score	115
Exons	11267..11353, 11369..11548, 11390..11548, 11403..11558		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o6.tm	Method	TBLASTX:Maize
Start	11591	End	12501
GI	none	Score	95
Exons	11591..11740, 11842..12501, 12080..12253		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o10.tw	Method	TBLASTX:Wheat
Start	13289	End	21714
GI	none	Score	128
Exons	13289..13615, 13293..13604, 21634..21714		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o16.tm	Method	TBLASTX:Maize
Start	36842	End	37245
GI	none	Score	69
Exons	36842..36901, 36844..36900, 36970..37050, 36976..37050, 36980..37051, 37135..37245, 37136..37210		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o1.tm	Method	TBLASTX:Maize
Start	43578	End	63012
GI	none	Score	97
Exons	43578..43688, 43583..43693, 43584..43688, 43585..43689, 44504..44602, 44505..44603, 44510..44617, 44527..44616, 44689..44763, 44697..44870, 44700..44762, 44701..44859, 44814..44861, 44991..45068, 45572..45793, 45574..45798, 45574..45798, 45873..46139, 45877..46137, 46146..46205, 60683..60808, 60697..60807, 61019..61276, 61020..61274, 61374..61436, 62366..62590, 62385..62588, 62682..62942, 62683..62943, 62859..62945, 62952..63011, 62953..63012		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o1.ts	Method	TBLASTX:Soybean
Start	43578	End	63027

GI	none	Score	101
Exons	43578..43688, 43579..43689, 44504..44602, 44505..44603, 44697..44870, 44701..44856, 45565..45801, 45566..45796, 45870..46214, 45873..46217, 45901..46221, 60697..60807, 61020..61271, 61022..61276, 62367..62591, 62369..62590, 62682..63023, 62710..63027		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o5.tc	Method	TBLASTX:Cress
Start	44513	End	61303
GI	none	Score	195
Exons	44513..44602, 44688..44861, 61031..61303		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o1.tc	Method	TBLASTX:Cress
Start	45586	End	62840
GI	none	Score	189
Exons	45586..45798, 45590..45796, 45873..46034, 45904..46032, 62382..62591, 62390..62590, 62399..62593, 62682..62840, 62707..62838		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o17.tm	Method	TBLASTX:Maize
Start	50145	End	59341
GI	none	Score	201
Exons	50145..50345, 58808..59074, 58810..59040, 59183..59341		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o19.tm	Method	TBLASTX:Maize
Start	70317	End	70545
GI	none	Score	90
Exons	70317..70394, 70319..70426, 70325..70405, 70344..70421, 70398..70532, 70425..70541, 70426..70545, 70456..70533		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o11.tw	Method	TBLASTX:Wheat
Start	71603	End	71957
GI	none	Score	56
Exons	71603..71656, 71619..71657, 71662..71844, 71663..71848, 71844..71957, 71847..71951, 71848..71952		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o9.tm	Method	TBLASTX:Maize
Start	71844	End	72109
GI	none	Score	321

Exons	71844..72107, 71847..72107, 71852..72109, 71854..72108		
Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o4.tm	Method	TBLASTX:Maize
Start	72605	End	72927
GI	none	Score	262
Exons	72605..72865, 72612..72926, 72632..72925, 72760..72927		
Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o8.ts	Method	TBLASTX:Soybean
Start	72954	End	73340
GI	none	Score	86
Exons	72954..73109, 73092..73340		
Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o13.tw	Method	TBLASTX:Wheat
Start	73203	End	73397
GI	none	Score	275
Exons	73203..73397, 73206..73397		
Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o12.tm	Method	TBLASTX:Maize
Start	73254	End	73748
GI	none	Score	224
Exons	73254..73562, 73337..73528, 73581..73748		
Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o6.ts	Method	TBLASTX:Soybean
Start	73350	End	73748
GI	none	Score	193
Exons	73350..73574, 73358..73528, 73575..73748, 73583..73621		
Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o1.tw	Method	TBLASTX:Wheat
Start	73398	End	74153
GI	none	Score	604
Exons	73398..73865, 73406..73900, 73906..74136, 73914..74153, 73936..74133, 73997..74152		
Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o4.ts	Method	TBLASTX:Soybean
Start	74088	End	74557
GI	5509260	Score	214

Exons	74088..74369, 74375..74557		
GI Descrip.	-		
Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o3.tc	Method	TBLASTX:Cress
Start	74166	End	74437
GI	none	Score	231
Exons	74166..74375, 74375..74437		
Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o6.tw	Method	TBLASTX:Wheat
Start	74208	End	74773
GI	none	Score	138
Exons	74208..74369, 74375..74572, 74375..74548, 74567..74773, 74641..74763		
Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o8.tm	Method	TBLASTX:Maize
Start	74208	End	74692
GI	none	Score	146
Exons	74208..74369, 74381..74692		
Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o10.ts	Method	TBLASTX:Soybean
Start	75307	End	75612
GI	none	Score	189
Exons	75307..75612, 75310..75585, 75328..75612		
Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o4.tc	Method	TBLASTX:Cress
Start	75307	End	75718
GI	none	Score	69
Exons	75307..75480, 75307..75612, 75307..75576, 75307..75507, 75307..75618, 75310..75579, 75313..75612, 75385..75612, 75386..75553, 75388..75618, 75529..75618, 75529..75579, 75620..75718, 75620..75715, 75620..75715, 75620..75703, 75626..75715		
Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o24.tm	Method	TBLASTX:Maize
Start	75310	End	75721
GI	none	Score	68
Exons	75310..75594, 75620..75721		
Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1

Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o18.tm	Method	TBLASTX:Maize
Start	90160	End	90522
GI	none	Score	119
Exons	90160..90267, 90161..90250, 90277..90522, 90278..90520		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o3.ts	Method	TBLASTX:Soybean
Start	92095	End	93156
GI	none	Score	115
Exons	92095..92289, 92296..92625, 92493..92594, 92650..92793, 93013..93156		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o13.tm	Method	TBLASTX:Maize
Start	92246	End	92799
GI	none	Score	48
Exons	92246..92272, 92248..92277, 92313..92393, 92314..92394, 92463..92597, 92467..92631, 92620..92799, 92640..92798		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o15.tw	Method	TBLASTX:Wheat
Start	92296	End	92598
GI	none	Score	249
Exons	92296..92598		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o9.tw	Method	TBLASTX:Wheat
Start	92641	End	93027
GI	none	Score	331
Exons	92641..93027, 92643..92975		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o23.tm	Method	TBLASTX:Maize
Start	94208	End	94784
GI	none	Score	125
Exons	94208..94324, 94209..94355, 94540..94653, 94596..94775, 94597..94776, 94626..94784		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o15.gs	Method	GENSCAN
Start	97397	End	99219
GI	none	Score	.8
Exons	97397..97405, 98401..98470, 98570..98760, 99214..99219		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o10.tm	Method	TBLASTX:Maize
Start	98102	End	99291
GI	none	Score	67
Exons	98102..98188, 98399..98473, 98410..98472, 98545..98778, 98556..98792, 98570..98767, 99184..99291, 99188..99283		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o2.tc	Method	TBLASTX:Cress
Start	98410	End	99274
GI	none	Score	136
Exons	98410..98472, 98545..98778, 98570..98761, 99184..99273, 99188..99274		

Seq. No.	2363	Seq. ID	OJ990823_13.9C03.C1
Gene No.	4947	Strand	-
Start	97397	End	99291
Name	OJ990823_13.9C03.C1.o7.ts	Method	TBLASTX:Soybean
Start	98545	End	99291
GI	none	Score	133
Exons	98545..98778, 98570..98767, 98650..98793, 99184..99291, 99188..99283		

Seq. No.	2364	Seq. ID	OJ990823_13.9C03.C3
Gene No.	4948	Strand	+
Start	193	End	756
Name	OJ990823_13.9C03.C3.o1.np	Method	AAT/NAP
Start	193	End	756
GI	6539553	Score	724
Exons	193..756		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	2364	Seq. ID	OJ990823_13.9C03.C3
Gene No.	4948	Strand	+
Start	193	End	756
Name	OJ990823_13.9C03.C3.o1.tw	Method	TBLASTX:Wheat
Start	198	End	697
GI	none	Score	106
Exons	198..335, 291..455, 341..538, 341..514, 554..697		

Seq. No.	2364	Seq. ID	OJ990823_13.9C03.C3
Gene No.	4948	Strand	+
Start	193	End	756
Name	OJ990823_13.9C03.C3.o1.tm	Method	TBLASTX:Maize
Start	207	End	640
GI	none	Score	120
Exons	207..335, 347..640, 347..511		

Seq. No.	2364	Seq. ID	OJ990823_13.9C03.C3

Gene No.	4948	Strand	+
Start	193	End	756
Name	OJ990823_13.9C03.C3.o1.ts	Method	TBLASTX:Soybean
Start	210	End	622
GI	none	Score	90
Exons	210..335, 335..574, 335..568, 587..622		

Seq. No.	2365	Seq. ID	OJ990823_13.9C03.C4
Gene No.	4949	Strand	-
Start	1	End	647
Name	OJ990823_13.9C03.C4.o1.np	Method	AAT/NAP
Start	1	End	647
GI	5295955	Score	178
Exons	1..114, 195..329, 357..647		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	2365	Seq. ID	OJ990823_13.9C03.C4
Gene No.	4949	Strand	-
Start	1	End	647
Name	OJ990823_13.9C03.C4.o1.gs	Method	GENSCAN
Start	80	End	591
GI	none	Score	.62
Exons	80..591		

Seq. No.	2366	Seq. ID	OJ990823_13.9C03.C6
Gene No.	4950	Strand	-
Start	213	End	314
Name	OJ990823_13.9C03.C6.o1.gs	Method	GENSCAN
Start	213	End	314
GI	none	Score	.46
Exons	213..314		

Seq. No.	2367	Seq. ID	OJ990923_19.9C17.C2
Gene No.	4951	Strand	-
Start	1	End	611
Name	OJ990923_19.9C17.C2.o1.np	Method	AAT/NAP
Start	1	End	611
GI	531389	Score	737
Exons	1..611		
GI Descrip.	(U12626) copia-like retrotransposon Hopscotch polyprotein [Zea mays]		

Seq. No.	2367	Seq. ID	OJ990923_19.9C17.C2
Gene No.	4951	Strand	-
Start	1	End	611
Name	OJ990923_19.9C17.C2.o1.tm	Method	TBLASTX:Maize
Start	1	End	261
GI	none	Score	124
Exons	1..261, 2..127, 6..254		

Seq. No.	2367	Seq. ID	OJ990923_19.9C17.C2
Gene No.	4951	Strand	-
Start	1	End	611
Name	OJ990923_19.9C17.C2.o1.tc	Method	TBLASTX:Cress
Start	6	End	378
GI	none	Score	103

Exons	6..374, 85..378		
Seq. No.	2367	Seq. ID	OJ990923_19.9C17.C2
Gene No.	4951	Strand	-
Start	1	End	611
Name	OJ990923_19.9C17.C2.o1.ts	Method	TBLASTX:Soybean
Start	9	End	347
GI	none	Score	228
Exons	9..347		
Seq. No.	2367	Seq. ID	OJ990923_19.9C17.C2
Gene No.	4951	Strand	-
Start	1	End	611
Name	OJ990923_19.9C17.C2.o1.tw	Method	TBLASTX:Wheat
Start	12	End	551
GI	none	Score	132
Exons	12..53, 90..152, 162..356, 378..551		
Seq. No.	2368	Seq. ID	OJ990923_19.9C17.C3
Gene No.	4952	Strand	+
Start	1	End	2272
Name	OJ990923_19.9C17.C3.o1.np	Method	AAT/NAP
Start	1	End	2272
GI	4680182	Score	434
Exons	1..425, 726..963, 2248..2272		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	2369	Seq. ID	OJ990923_19.9C17.C4
Gene No.	4953	Strand	+
Start	934	End	2904
Name	OJ990923_19.9C17.C4.o2.gs	Method	GENSCAN
Start	934	End	2424
GI	none	Score	.66
Exons	934..1132, 1310..1551, 2159..2424		
Seq. No.	2369	Seq. ID	OJ990923_19.9C17.C4
Gene No.	4953	Strand	+
Start	934	End	2904
Name	OJ990923_19.9C17.C4.o2.np	Method	AAT/NAP
Start	1745	End	2904
GI	6539553	Score	1059
Exons	1745..2435, 2837..2904		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	2369	Seq. ID	OJ990923_19.9C17.C4
Gene No.	4954	Strand	-
Start	1	End	690
Name	OJ990923_19.9C17.C4.o1.np	Method	AAT/NAP
Start	1	End	690
GI	4680181	Score	313
Exons	1..18, 226..690		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	2369	Seq. ID	OJ990923_19.9C17.C4

Gene No.	4955	Strand	
Start	1739	End	2187
Name	OJ990923_19.9C17.C4.o1.tw	Method	TBLASTX:Wheat
Start	1739	End	2125
GI	none	Score	322
Exons	1739..2125, 1747..2124		

Seq. No.	2369	Seq. ID	OJ990923_19.9C17.C4
Gene No.	4955	Strand	
Start	1739	End	2187
Name	OJ990923_19.9C17.C4.o1.tm	Method	TBLASTX:Maize
Start	1874	End	2187
GI	none	Score	341
Exons	1874..2185, 1882..2187		

Seq. No.	2370	Seq. ID	OJ990923_19.9C17.C5
Gene No.	4956	Strand	+
Start	613	End	4225
Name	OJ990923_19.9C17.C5.o1.gs	Method	GENSCAN
Start	613	End	4225
GI	none	Score	.69
Exons	613..1378, 1417..1445, 1772..2575, 2654..4225		

Seq. No.	2370	Seq. ID	OJ990923_19.9C17.C5
Gene No.	4956	Strand	+
Start	613	End	4225
Name	OJ990923_19.9C17.C5.o1.np	Method	AAT/NAP
Start	704	End	4222
GI	4680179	Score	1421
Exons	704..744, 3204..4222		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2370	Seq. ID	OJ990923_19.9C17.C5
Gene No.	4957	Strand	+
Start	6307	End	6691
Name	OJ990923_19.9C17.C5.o1.gp	Method	AAT/GAP
Start	6307	End	6691
GI	uC-osf1cyp033a04b1	Score	646
Exons	6307..6691		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	2370	Seq. ID	OJ990923_19.9C17.C5
Gene No.	4958	Strand	+
Start	7334	End	7566
Name	OJ990923_19.9C17.C5.o3.np	Method	AAT/NAP
Start	7334	End	7566
GI	6539553	Score	231
Exons	7334..7566		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	2370	Seq. ID	OJ990923_19.9C17.C5
Gene No.	4959	Strand	+
Start	12857	End	13300

Name	OJ990923_19.9C17.C5.o7.np	Method	AAT/NAP
Start	12857	End	13300
GI	5852180	Score	64
Exons	12857..12992, 13213..13300		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	2370	Seq. ID	OJ990923_19.9C17.C5
Gene No.	4960	Strand	-
Start	4918	End	13472
Name	OJ990923_19.9C17.C5.o3.tw	Method	TBLASTX:Wheat
Start	1901	End	2263
GI	none	Score	293
Exons	1901..2263, 1903..2262		

Seq. No.	2370	Seq. ID	OJ990923_19.9C17.C5
Gene No.	4960	Strand	-
Start	4918	End	13472
Name	OJ990923_19.9C17.C5.o2.tm	Method	TBLASTX:Maize
Start	2144	End	2449
GI	none	Score	232
Exons	2144..2449, 2158..2274		

Seq. No.	2370	Seq. ID	OJ990923_19.9C17.C5
Gene No.	4960	Strand	-
Start	4918	End	13472
Name	OJ990923_19.9C17.C5.o5.tw	Method	TBLASTX:Wheat
Start	2264	End	2494
GI	none	Score	175
Exons	2264..2494		

Seq. No.	2370	Seq. ID	OJ990923_19.9C17.C5
Gene No.	4960	Strand	-
Start	4918	End	13472
Name	OJ990923_19.9C17.C5.o4.tm	Method	TBLASTX:Maize
Start	2777	End	3130
GI	none	Score	189
Exons	2777..3130		

Seq. No.	2370	Seq. ID	OJ990923_19.9C17.C5
Gene No.	4960	Strand	-
Start	4918	End	13472
Name	OJ990923_19.9C17.C5.o4.tw	Method	TBLASTX:Wheat
Start	2813	End	3181
GI	none	Score	163
Exons	2813..3022, 2869..3021, 3067..3180, 3068..3181		

Seq. No.	2370	Seq. ID	OJ990923_19.9C17.C5
Gene No.	4960	Strand	-
Start	4918	End	13472
Name	OJ990923_19.9C17.C5.o3.tm	Method	TBLASTX:Maize
Start	3223	End	3397
GI	none	Score	230
Exons	3223..3369, 3224..3397, 3230..3394		

Seq. No.	2370	Seq. ID	OJ990923_19.9C17.C5
Gene No.	4960	Strand	-
Start	4918	End	13472

Name	OJ990923_19.9C17.C5.o1.tw	Method	TBLASTX:Wheat
Start	3224	End	3844
GI	none	Score	690
Exons	3224..3844, 3274..3843		

Seq. No.	2370	Seq. ID	OJ990923_19.9C17.C5
Gene No.	4960	Strand	-
Start	4918	End	13472
Name	OJ990923_19.9C17.C5.o1.tm	Method	TBLASTX:Maize
Start	3398	End	3997
GI	none	Score	231
Exons	3398..3559, 3406..3552, 3556..3981, 3557..3997		

Seq. No.	2370	Seq. ID	OJ990923_19.9C17.C5
Gene No.	4960	Strand	-
Start	4918	End	13472
Name	OJ990923_19.9C17.C5.o2.tw	Method	TBLASTX:Wheat
Start	3844	End	4177
GI	none	Score	328
Exons	3844..4113, 3845..4177, 3848..4156		

Seq. No.	2370	Seq. ID	OJ990923_19.9C17.C5
Gene No.	4960	Strand	-
Start	4918	End	13472
Name	OJ990923_19.9C17.C5.o2.gs	Method	GENSCAN
Start	4918	End	13374
GI	none	Score	.56
Exons	4918..5383, 5435..5551, 7359..7575, 8087..8291, 8307..8433, 8462..8830, 10940..11656, 13289..13374		

Seq. No.	2370	Seq. ID	OJ990923_19.9C17.C5
Gene No.	4960	Strand	-
Start	4918	End	13472
Name	OJ990923_19.9C17.C5.o2.np	Method	AAT/NAP
Start	4970	End	10184
GI	5852180	Score	874
Exons	4970..5383, 5435..5551, 6540..6610, 10139..10184		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	2370	Seq. ID	OJ990923_19.9C17.C5
Gene No.	4960	Strand	-
Start	4918	End	13472
Name	OJ990923_19.9C17.C5.o4.np	Method	AAT/NAP
Start	6786	End	9632
GI	5852179	Score	249
Exons	6786..6892, 8247..8491, 8566..8785, 9612..9632		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	2370	Seq. ID	OJ990923_19.9C17.C5
Gene No.	4960	Strand	-
Start	4918	End	13472
Name	OJ990923_19.9C17.C5.o5.np	Method	AAT/NAP
Start	11088	End	13472
GI	5852180	Score	544
Exons	11088..11487, 11539..11674, 13447..13472		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	2370	Seq. ID	OJ990923_19.9C17.C5
Gene No.	4960	Strand	-
Start	4918	End	13472
Name	OJ990923_19.9C17.C5.o6.np	Method	AAT/NAP
Start	12343	End	12543
GI	4680186	Score	332
Exons	12343..12543		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	2370	Seq. ID	OJ990923_19.9C17.C5
Gene No.	4960	Strand	-
Start	4918	End	13472
Name	OJ990923_19.9C17.C5.o4.gp	Method	AAT/GAP
Start	12410	End	12617
GI	uC-osflcyp033a04b1	Score	362
Exons	12410..12617		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	2371	Seq. ID	OJ990923_19.9C17.C6
Gene No.	4961	Strand	+
Start	1	End	634
Name	OJ990923_19.9C17.C6.o1.np	Method	AAT/NAP
Start	1	End	634
GI	5852180	Score	197
Exons	1..213, 270..634		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	2371	Seq. ID	OJ990923_19.9C17.C6
Gene No.	4962	Strand	-
Start	421	End	603
Name	OJ990923_19.9C17.C6.o1.gs	Method	GENSCAN
Start	421	End	603
GI	none	Score	.44
Exons	421..603		

Seq. No.	2372	Seq. ID	OJ990923_19.9C17.C7
Gene No.	4963	Strand	-
Start	1	End	782
Name	OJ990923_19.9C17.C7.o1.np	Method	AAT/NAP
Start	1	End	782
GI	6630696	Score	456
Exons	1..782		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	2373	Seq. ID	OJ990923_19.9C17.C8
Gene No.	4964	Strand	+
Start	87	End	437
Name	OJ990923_19.9C17.C8.o1.np	Method	AAT/NAP
Start	87	End	437
GI	5852180	Score	431
Exons	87..437		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	2374	Seq. ID	OJ990923_19.9C17.C10

Gene No.	4965	Strand	+
Start	523	End	1641
Name	OJ990923_19.9C17.C10.o1.gs	Method	GENSCAN
Start	523	End	1641
GI	none	Score	.61
Exons	523..629, 1053..1322, 1467..1641		

Seq. No.	2375	Seq. ID	OJ990923_19.9C17.C11
Gene No.	4966	Strand	+
Start	452	End	1389
Name	OJ990923_19.9C17.C11.o1.gs	Method	GENSCAN
Start	452	End	1389
GI	none	Score	.5
Exons	452..603, 1323..1389		

Seq. No.	2375	Seq. ID	OJ990923_19.9C17.C11
Gene No.	4967	Strand	-
Start	658	End	2656
Name	OJ990923_19.9C17.C11.o1.np	Method	AAT/NAP
Start	658	End	2656
GI	5852179	Score	236
Exons	658..704, 2157..2346, 2412..2656		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	2375	Seq. ID	OJ990923_19.9C17.C11
Gene No.	4967	Strand	-
Start	658	End	2656
Name	OJ990923_19.9C17.C11.o2.gs	Method	GENSCAN
Start	1826	End	2490
GI	none	Score	.8
Exons	1826..1943, 2184..2490		

Seq. No.	2376	Seq. ID	OJ990923_19.9C17.C12
Gene No.	4968	Strand	+
Start	1754	End	2778
Name	OJ990923_19.9C17.C12.o1.np	Method	AAT/NAP
Start	1754	End	2778
GI	6907106	Score	300
Exons	1754..2223, 2287..2530, 2608..2778		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2376	Seq. ID	OJ990923_19.9C17.C12
Gene No.	4968	Strand	+
Start	1754	End	2778
Name	OJ990923_19.9C17.C12.o1.tm	Method	TBLASTX:Maize
Start	2281	End	2681
GI	none	Score	90
Exons	2281..2409, 2317..2403, 2334..2408, 2393..2428, 2403..2453, 2414..2449, 2414..2479, 2423..2521, 2433..2465, 2452..2541, 2453..2572, 2453..2566, 2454..2510, 2460..2525, 2517..2573, 2531..2602, 2588..2680, 2622..2681		

Seq. No.	2377	Seq. ID	OJ990923_19.9C17.C13
Gene No.	4969	Strand	-
Start	1	End	2849
Name	OJ990923_19.9C17.C13.o1.np	Method	AAT/NAP

Start	1	End	817
GI	6498441	Score	877
Exons	1..817		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	2377	Seq. ID	OJ990923_19.9C17.C13
Gene No.	4969	Strand	-
Start	1	End	2849
Name	OJ990923_19.9C17.C13.o1.tw	Method	TBLASTX:Wheat
Start	2	End	352
GI	none	Score	78
Exons	2..352, 39..221		

Seq. No.	2377	Seq. ID	OJ990923_19.9C17.C13
Gene No.	4969	Strand	-
Start	1	End	2849
Name	OJ990923_19.9C17.C13.o1.tm	Method	TBLASTX:Maize
Start	17	End	352
GI	none	Score	76
Exons	17..352, 36..311		

Seq. No.	2377	Seq. ID	OJ990923_19.9C17.C13
Gene No.	4969	Strand	-
Start	1	End	2849
Name	OJ990923_19.9C17.C13.o1.gs	Method	GENSCAN
Start	92	End	669
GI	none	Score	.89
Exons	92..518, 524..669		

Seq. No.	2377	Seq. ID	OJ990923_19.9C17.C13
Gene No.	4969	Strand	-
Start	1	End	2849
Name	OJ990923_19.9C17.C13.o2.np	Method	AAT/NAP
Start	562	End	2849
GI	4206309	Score	136
Exons	562..813, 2826..2849		
GI Descrip.	(AF049112) prpol [Zea mays]		

Seq. No.	2378	Seq. ID	OJ990923_19.9C17.C14
Gene No.	4970	Strand	+
Start	1	End	2191
Name	OJ990923_19.9C17.C14.o1.np	Method	AAT/NAP
Start	1	End	2191
GI	4680203	Score	1912
Exons	1..39, 636..2191		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	2378	Seq. ID	OJ990923_19.9C17.C14
Gene No.	4970	Strand	+
Start	1	End	2191
Name	OJ990923_19.9C17.C14.o1.gp	Method	AAT/GAP
Start	186	End	774
GI	2310235	Score	301
Exons	186..223, 635..774		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza		

sativa]

Seq. No.	2378	Seq. ID	OJ990923_19.9C17.C14
Gene No.	4970	Strand	+
Start	1	End	2191
Name	OJ990923_19.9C17.C14.o2.gp	Method	AAT/GAP
Start	639	End	2191
GI	342_1.R1084	Score	2515
Exons	639..2191		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	2378	Seq. ID	OJ990923_19.9C17.C14
Gene No.	4970	Strand	+
Start	1	End	2191
Name	OJ990923_19.9C17.C14.o2.tw	Method	TBLASTX:Wheat
Start	986	End	1319
GI	none	Score	95
Exons	986..1117, 1076..1285, 1077..1277, 1084..1278, 1281..1319		

Seq. No.	2378	Seq. ID	OJ990923_19.9C17.C14
Gene No.	4970	Strand	+
Start	1	End	2191
Name	OJ990923_19.9C17.C14.o1.ts	Method	TBLASTX:Soybean
Start	1281	End	1687
GI	none	Score	66
Exons	1281..1334, 1292..1342, 1391..1687, 1445..1669		

Seq. No.	2378	Seq. ID	OJ990923_19.9C17.C14
Gene No.	4970	Strand	+
Start	1	End	2191
Name	OJ990923_19.9C17.C14.o1.tc	Method	TBLASTX:Cress
Start	1420	End	1768
GI	none	Score	309
Exons	1420..1572, 1427..1768, 1612..1749		

Seq. No.	2378	Seq. ID	OJ990923_19.9C17.C14
Gene No.	4970	Strand	+
Start	1	End	2191
Name	OJ990923_19.9C17.C14.o1.tw	Method	TBLASTX:Wheat
Start	1556	End	2025
GI	none	Score	64
Exons	1556..1609, 1567..1608, 1610..1714, 1621..1710, 1718..1816, 1723..1815, 1796..2020, 1816..2025, 1817..2020, 1819..2025		

Seq. No.	2378	Seq. ID	OJ990923_19.9C17.C14
Gene No.	4970	Strand	+
Start	1	End	2191
Name	OJ990923_19.9C17.C14.o1.tm	Method	TBLASTX:Maize
Start	1601	End	2059
GI	none	Score	247
Exons	1601..1855, 1613..1855, 1865..2059		

Seq. No.	2378	Seq. ID	OJ990923_19.9C17.C14
Gene No.	4970	Strand	+
Start	1	End	2191
Name	OJ990923_19.9C17.C14.o2.ts	Method	TBLASTX:Soybean

Start	1889	End	2131
GI	none	Score	216
Exons	1889..2131, 1975..2073		

Seq. No.	2379	Seq. ID	OJ990923_19.9C17.C15
Gene No.	4971	Strand	+
Start	1	End	3219
Name	OJ990923_19.9C17.C15.o2.np	Method	AAT/NAP
Start	1	End	3219
GI	6063554	Score	316
Exons	1..60, 1305..1564, 1682..1903, 2377..2404, 3045..3219		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2379	Seq. ID	OJ990923_19.9C17.C15
Gene No.	4971	Strand	+
Start	1	End	3219
Name	OJ990923_19.9C17.C15.o1.gp	Method	AAT/GAP
Start	1871	End	2600
GI	101153_1.R1084	Score	408
Exons	1871..1904, 2377..2600		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	2379	Seq. ID	OJ990923_19.9C17.C15
Gene No.	4971	Strand	+
Start	1	End	3219
Name	OJ990923_19.9C17.C15.o2.gp	Method	AAT/GAP
Start	2623	End	3059
GI	2428185	Score	570
Exons	2623..3059		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	2379	Seq. ID	OJ990923_19.9C17.C15
Gene No.	4972	Strand	-
Start	1	End	3477
Name	OJ990923_19.9C17.C15.o1.np	Method	AAT/NAP
Start	1	End	3477
GI	4680179	Score	1203
Exons	1..778, 3381..3477		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2379	Seq. ID	OJ990923_19.9C17.C15
Gene No.	4972	Strand	-
Start	1	End	3477
Name	OJ990923_19.9C17.C15.o2.tw	Method	TBLASTX:Wheat
Start	1	End	333
GI	none	Score	241
Exons	1..333, 5..328, 108..332		

Seq. No.	2379	Seq. ID	OJ990923_19.9C17.C15
Gene No.	4972	Strand	-
Start	1	End	3477
Name	OJ990923_19.9C17.C15.o1.gs	Method	GENSCAN
Start	26	End	723

GI	none	Score	.49
Exons	26..723		

Seq. No.	2379	Seq. ID	OJ990923_19.9C17.C15
Gene No.	4972	Strand	-
Start	1	End	3477
Name	OJ990923_19.9C17.C15.o1.tm	Method	TBLASTX:Maize
Start	58	End	375
GI	none	Score	144
Exons	58..375, 63..356, 64..363, 65..373		

Seq. No.	2379	Seq. ID	OJ990923_19.9C17.C15
Gene No.	4972	Strand	-
Start	1	End	3477
Name	OJ990923_19.9C17.C15.o1.ts	Method	TBLASTX:Soybean
Start	292	End	552
GI	none	Score	188
Exons	292..552, 293..550		

Seq. No.	2379	Seq. ID	OJ990923_19.9C17.C15
Gene No.	4972	Strand	-
Start	1	End	3477
Name	OJ990923_19.9C17.C15.o1.tc	Method	TBLASTX:Cress
Start	316	End	642
GI	none	Score	86
Exons	316..459, 335..457, 460..642		

Seq. No.	2379	Seq. ID	OJ990923_19.9C17.C15
Gene No.	4972	Strand	-
Start	1	End	3477
Name	OJ990923_19.9C17.C15.o1.tw	Method	TBLASTX:Wheat
Start	340	End	775
GI	none	Score	355
Exons	340..774, 341..775		

Seq. No.	2379	Seq. ID	OJ990923_19.9C17.C15
Gene No.	4972	Strand	-
Start	1	End	3477
Name	OJ990923_19.9C17.C15.o2.tm	Method	TBLASTX:Maize
Start	376	End	691
GI	none	Score	169
Exons	376..690, 377..691		

Seq. No.	2379	Seq. ID	OJ990923_19.9C17.C15
Gene No.	4972	Strand	-
Start	1	End	3477
Name	OJ990923_19.9C17.C15.o2.gs	Method	GENSCAN
Start	1687	End	3380
GI	none	Score	.93
Exons	1687..1996, 3278..3380		

Seq. No.	2380	Seq. ID	OJ990923_19.9C17.C16
Gene No.	4973	Strand	+
Start	1	End	252
Name	OJ990923_19.9C17.C16.o1.gp	Method	AAT/GAP
Start	1	End	252
GI	61605_1.R1084	Score	442

Exons	1..252		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	2380	Seq. ID	OJ990923_19.9C17.C16
Gene No.	4974	Strand	-
Start	1	End	2001
Name	OJ990923_19.9C17.C16.o1.np	Method	AAT/NAP
Start	1	End	2001
GI	4680179	Score	2351
Exons	1..36, 254..2001		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	2380	Seq. ID	OJ990923_19.9C17.C16
Gene No.	4974	Strand	-
Start	1	End	2001
Name	OJ990923_19.9C17.C16.o1.tm	Method	TBLASTX:Maize
Start	392	End	745
GI	none	Score	49
Exons	392..745, 399..431, 407..739, 477..740		
Seq. No.	2380	Seq. ID	OJ990923_19.9C17.C16
Gene No.	4974	Strand	-
Start	1	End	2001
Name	OJ990923_19.9C17.C16.o1.tw	Method	TBLASTX:Wheat
Start	392	End	818
GI	none	Score	245
Exons	392..742, 392..817, 399..818		
Seq. No.	2380	Seq. ID	OJ990923_19.9C17.C16
Gene No.	4974	Strand	-
Start	1	End	2001
Name	OJ990923_19.9C17.C16.o2.ts	Method	TBLASTX:Soybean
Start	563	End	811
GI	none	Score	207
Exons	563..811		
Seq. No.	2380	Seq. ID	OJ990923_19.9C17.C16
Gene No.	4974	Strand	-
Start	1	End	2001
Name	OJ990923_19.9C17.C16.o3.tm	Method	TBLASTX:Maize
Start	747	End	1084
GI	none	Score	144
Exons	747..1007, 752..1084		
Seq. No.	2380	Seq. ID	OJ990923_19.9C17.C16
Gene No.	4974	Strand	-
Start	1	End	2001
Name	OJ990923_19.9C17.C16.o3.tw	Method	TBLASTX:Wheat
Start	819	End	1093
GI	none	Score	233
Exons	819..1073, 821..1093, 821..1081		
Seq. No.	2380	Seq. ID	OJ990923_19.9C17.C16
Gene No.	4974	Strand	-
Start	1	End	2001
Name	OJ990923_19.9C17.C16.o1.ts	Method	TBLASTX:Soybean

Start	833	End	1228
GI	none	Score	166
Exons	833..1084, 843..1073, 890..1087, 1047..1190, 1112..1192, 1139..1192, 1196..1228, 1196..1228		

Seq. No.	2380	Seq. ID	OJ990923_19.9C17.C16
Gene No.	4974	Strand	-
Start	1	End	2001
Name	OJ990923_19.9C17.C16.o2.tm	Method	TBLASTX:Maize
Start	1139	End	1586
GI	none	Score	131
Exons	1139..1582, 1148..1510, 1404..1586		

Seq. No.	2380	Seq. ID	OJ990923_19.9C17.C16
Gene No.	4974	Strand	-
Start	1	End	2001
Name	OJ990923_19.9C17.C16.o2.tw	Method	TBLASTX:Wheat
Start	1169	End	1655
GI	none	Score	206
Exons	1169..1651, 1211..1648, 1362..1655		

Seq. No.	2380	Seq. ID	OJ990923_19.9C17.C16
Gene No.	4974	Strand	-
Start	1	End	2001
Name	OJ990923_19.9C17.C16.o3.ts	Method	TBLASTX:Soybean
Start	1301	End	1615
GI	none	Score	185
Exons	1301..1615		

Seq. No.	2380	Seq. ID	OJ990923_19.9C17.C16
Gene No.	4974	Strand	-
Start	1	End	2001
Name	OJ990923_19.9C17.C16.o4.tw	Method	TBLASTX:Wheat
Start	1656	End	1999
GI	none	Score	62
Exons	1656..1733, 1658..1741, 1748..1999, 1839..1928		

Seq. No.	2381	Seq. ID	OJ990923_19.9C17.C17
Gene No.	4975	Strand	-
Start	1	End	1949
Name	OJ990923_19.9C17.C17.o1.np	Method	AAT/NAP
Start	1	End	1500
GI	4680179	Score	754
Exons	1..835, 1397..1500		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2381	Seq. ID	OJ990923_19.9C17.C17
Gene No.	4975	Strand	-
Start	1	End	1949
Name	OJ990923_19.9C17.C17.o1.gs	Method	GENSCAN
Start	44	End	899
GI	none	Score	.56
Exons	44..899		

Seq. No.	2381	Seq. ID	OJ990923_19.9C17.C17
Gene No.	4975	Strand	-
Start	1	End	1949

Name	OJ990923_19.9C17.C17.o1.tw	Method	TBLASTX:Wheat
Start	135	End	480
GI	none	Score	44
Exons	135..479, 284..376, 349..480		

Seq. No.	2381	Seq. ID	OJ990923_19.9C17.C17
Gene No.	4975	Strand	-
Start	1	End	1949
Name	OJ990923_19.9C17.C17.o1.tm	Method	TBLASTX:Maize
Start	180	End	479
GI	none	Score	47
Exons	180..479, 181..261, 323..361, 349..456		

Seq. No.	2381	Seq. ID	OJ990923_19.9C17.C17
Gene No.	4975	Strand	-
Start	1	End	1949
Name	OJ990923_19.9C17.C17.o2.tw	Method	TBLASTX:Wheat
Start	531	End	713
GI	none	Score	130
Exons	531..713, 532..711		

Seq. No.	2381	Seq. ID	OJ990923_19.9C17.C17
Gene No.	4975	Strand	-
Start	1	End	1949
Name	OJ990923_19.9C17.C17.o2.gs	Method	GENSCAN
Start	1185	End	1949
GI	none	Score	.9
Exons	1185..1949		

Seq. No.	2381	Seq. ID	OJ990923_19.9C17.C17
Gene No.	4975	Strand	-
Start	1	End	1949
Name	OJ990923_19.9C17.C17.o2.np	Method	AAT/NAP
Start	1188	End	1949
GI	4512229	Score	1207
Exons	1188..1949		
GI Descrip.	(AB014740) ORF0 protein [Oryza sativa]		

Seq. No.	2382	Seq. ID	OJ990923_19.9C17.C18
Gene No.	4976	Strand	+
Start	234	End	564
Name	OJ990923_19.9C17.C18.o1.gs	Method	GENSCAN
Start	234	End	564
GI	none	Score	.87
Exons	234..564		

Seq. No.	2382	Seq. ID	OJ990923_19.9C17.C18
Gene No.	4977	Strand	-
Start	271	End	803
Name	OJ990923_19.9C17.C18.o1.np	Method	AAT/NAP
Start	271	End	803
GI	6063554	Score	115
Exons	271..464, 583..803		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2383	Seq. ID	OJ990923_19.9C17.C19
Gene No.	4978	Strand	+
Start	1	End	2932
Name	OJ990923_19.9C17.C19.o1.np	Method	AAT/NAP
Start	1	End	2932
GI	6539553	Score	2841
Exons	1..67, 824..917, 1256..2932		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	2383	Seq. ID	OJ990923_19.9C17.C19
Gene No.	4979	Strand	+
Start	6701	End	7796
Name	OJ990923_19.9C17.C19.o2.gs	Method	GENSCAN
Start	6701	End	7796
GI	none	Score	.6
Exons	6701..6818, 7232..7345, 7439..7519, 7561..7796		

Seq. No.	2383	Seq. ID	OJ990923_19.9C17.C19
Gene No.	4980	Strand	+
Start	12743	End	13137
Name	OJ990923_19.9C17.C19.o4.gs	Method	GENSCAN
Start	12743	End	13137
GI	none	Score	.68
Exons	12743..12927, 12936..13137		

Seq. No.	2383	Seq. ID	OJ990923_19.9C17.C19
Gene No.	4981	Strand	-
Start	9601	End	10521
Name	OJ990923_19.9C17.C19.o3.gs	Method	GENSCAN
Start	9601	End	10521
GI	none	Score	.86
Exons	9601..10521		

Seq. No.	2383	Seq. ID	OJ990923_19.9C17.C19
Gene No.	4982	Strand	-
Start	13912	End	21222
Name	OJ990923_19.9C17.C19.o2.np	Method	AAT/NAP
Start	13912	End	21222
GI	4680179	Score	5569
Exons	13912..15358, 18203..20155, 20183..21222		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2383	Seq. ID	OJ990923_19.9C17.C19
Gene No.	4982	Strand	-
Start	13912	End	21222
Name	OJ990923_19.9C17.C19.o1.gp	Method	AAT/GAP
Start	16710	End	16780
GI	uC-osroM202024h08a1	Score	84
Exons	16710..16780		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	2383	Seq. ID	OJ990923_19.9C17.C19
Gene No.	4983	Strand	-

Start	21453	End	22243
Name	OJ990923_19.9C17.C19.o5.tm	Method	TBLASTX:Maize
Start	1877	End	2199
GI	none	Score	259
Exons	1877..2128, 1884..2198, 1885..2196, 1897..2199, 1904..2197		

Seq. No.	2383	Seq. ID	OJ990923_19.9C17.C19
Gene No.	4983	Strand	-
Start	21453	End	22243
Name	OJ990923_19.9C17.C19.o7.tm	Method	TBLASTX:Maize
Start	2399	End	2833
GI	none	Score	290
Exons	2399..2833, 2608..2799		

Seq. No.	2383	Seq. ID	OJ990923_19.9C17.C19
Gene No.	4983	Strand	-
Start	21453	End	22243
Name	OJ990923_19.9C17.C19.o5.tw	Method	TBLASTX:Wheat
Start	2476	End	2872
GI	none	Score	336
Exons	2476..2547, 2477..2725, 2480..2710, 2687..2872, 2699..2872		

Seq. No.	2383	Seq. ID	OJ990923_19.9C17.C19
Gene No.	4983	Strand	-
Start	21453	End	22243
Name	OJ990923_19.9C17.C19.o3.ts	Method	TBLASTX:Soybean
Start	2621	End	2920
GI	none	Score	180
Exons	2621..2845, 2629..2799, 2846..2920		

Seq. No.	2383	Seq. ID	OJ990923_19.9C17.C19
Gene No.	4983	Strand	-
Start	21453	End	22243
Name	OJ990923_19.9C17.C19.o9.tw	Method	TBLASTX:Wheat
Start	2915	End	3307
GI	none	Score	46
Exons	2915..3067, 2961..3023, 3081..3254, 3083..3307		

Seq. No.	2383	Seq. ID	OJ990923_19.9C17.C19
Gene No.	4983	Strand	-
Start	21453	End	22243
Name	OJ990923_19.9C17.C19.o6.tw	Method	TBLASTX:Wheat
Start	3422	End	19021
GI	none	Score	242
Exons	3422..3553, 3541..3819, 18758..19021, 18759..19019		

Seq. No.	2383	Seq. ID	OJ990923_19.9C17.C19
Gene No.	4983	Strand	-
Start	21453	End	22243
Name	OJ990923_19.9C17.C19.o6.tm	Method	TBLASTX:Maize
Start	3547	End	19003
GI	none	Score	164
Exons	3547..3930, 3551..3829, 18887..19003		

Seq. No.	2383	Seq. ID	OJ990923_19.9C17.C19
Gene No.	4983	Strand	-
Start	21453	End	22243

Name	OJ990923_19.9C17.C19.o1.ts	Method	TBLASTX:Soybean
Start	3550	End	19168
GI	none	Score	65
Exons	3550..3906, 18773..19024, 18776..18925, 18783..19016, 18989..19033, 19079..19132, 19089..19130, 19136..19168, 19137..19166		

Seq. No.	2383	Seq. ID	OJ990923_19.9C17.C19
Gene No.	4983	Strand	-
Start	21453	End	22243
Name	OJ990923_19.9C17.C19.o12.tw	Method	TBLASTX:Wheat
Start	3844	End	19231
GI	none	Score	65
Exons	3844..3990, 19065..19211, 19066..19209, 19082..19231, 19086..19223		

Seq. No.	2383	Seq. ID	OJ990923_19.9C17.C19
Gene No.	4983	Strand	-
Start	21453	End	22243
Name	OJ990923_19.9C17.C19.o3.tm	Method	TBLASTX:Maize
Start	3961	End	19459
GI	none	Score	225
Exons	3961..4317, 3971..4255, 4012..4263, 19214..19459		

Seq. No.	2383	Seq. ID	OJ990923_19.9C17.C19
Gene No.	4983	Strand	-
Start	21453	End	22243
Name	OJ990923_19.9C17.C19.o4.tw	Method	TBLASTX:Wheat
Start	3991	End	19459
GI	none	Score	385
Exons	3991..4446, 3992..4447, 19241..19459		

Seq. No.	2383	Seq. ID	OJ990923_19.9C17.C19
Gene No.	4983	Strand	-
Start	21453	End	22243
Name	OJ990923_19.9C17.C19.o5.ts	Method	TBLASTX:Soybean
Start	4000	End	19555
GI	none	Score	198
Exons	4000..4206, 19241..19555		

Seq. No.	2383	Seq. ID	OJ990923_19.9C17.C19
Gene No.	4983	Strand	-
Start	21453	End	22243
Name	OJ990923_19.9C17.C19.o7.tw	Method	TBLASTX:Wheat
Start	4639	End	5094
GI	none	Score	81
Exons	4639..4875, 4912..5094, 4970..5086		

Seq. No.	2383	Seq. ID	OJ990923_19.9C17.C19
Gene No.	4983	Strand	-
Start	21453	End	22243
Name	OJ990923_19.9C17.C19.o13.tw	Method	TBLASTX:Wheat
Start	5763	End	6083
GI	none	Score	97
Exons	5763..5966, 5806..5961, 5925..6038, 5935..6027, 6039..6083		

Seq. No.	2383	Seq. ID	OJ990923_19.9C17.C19

Gene No.	4983	Strand	-
Start	21453	End	22243
Name	OJ990923_19.9C17.C19.o10.tm	Method	TBLASTX:Maize
Start	5805	End	6060
GI	none	Score	103
Exons	5805..6044, 5806..6060		

Seq. No.	2383	Seq. ID	OJ990923_19.9C17.C19
Gene No.	4983	Strand	-
Start	21453	End	22243
Name	OJ990923_19.9C17.C19.o10.tw	Method	TBLASTX:Wheat
Start	13957	End	14288
GI	none	Score	68
Exons	13957..14115, 13978..14115, 14148..14288, 14150..14287		

Seq. No.	2383	Seq. ID	OJ990923_19.9C17.C19
Gene No.	4983	Strand	-
Start	21453	End	22243
Name	OJ990923_19.9C17.C19.o1.tm	Method	TBLASTX:Maize
Start	14150	End	14735
GI	none	Score	88
Exons	14150..14575, 14151..14336, 14412..14576, 14573..14734, 14580..14735		

Seq. No.	2383	Seq. ID	OJ990923_19.9C17.C19
Gene No.	4983	Strand	-
Start	21453	End	22243
Name	OJ990923_19.9C17.C19.o1.tw	Method	TBLASTX:Wheat
Start	14288	End	14914
GI	none	Score	181
Exons	14288..14914, 14333..14854, 14409..14858		

Seq. No.	2383	Seq. ID	OJ990923_19.9C17.C19
Gene No.	4983	Strand	-
Start	21453	End	22243
Name	OJ990923_19.9C17.C19.o4.tm	Method	TBLASTX:Maize
Start	14783	End	15075
GI	none	Score	309
Exons	14783..15073, 14787..15074, 14787..15074, 14788..15075		

Seq. No.	2383	Seq. ID	OJ990923_19.9C17.C19
Gene No.	4983	Strand	-
Start	21453	End	22243
Name	OJ990923_19.9C17.C19.o2.ts	Method	TBLASTX:Soybean
Start	14873	End	15133
GI	none	Score	182
Exons	14873..15133, 14874..15122		

Seq. No.	2383	Seq. ID	OJ990923_19.9C17.C19
Gene No.	4983	Strand	-
Start	21453	End	22243
Name	OJ990923_19.9C17.C19.o1.tc	Method	TBLASTX:Cress
Start	14897	End	15266
GI	none	Score	87
Exons	14897..15040, 14898..15038, 15041..15223, 15051..15266		

Seq. No.	2383	Seq. ID	OJ990923_19.9C17.C19

Gene No.	4983	Strand	-
Start	21453	End	22243
Name	OJ990923_19.9C17.C19.o3.tw	Method	TBLASTX:Wheat
Start	14921	End	15364
GI	none	Score	165
Exons	14921..15151, 14921..15364, 14925..15278		

Seq. No.	2383	Seq. ID	OJ990923_19.9C17.C19
Gene No.	4983	Strand	-
Start	21453	End	22243
Name	OJ990923_19.9C17.C19.o2.tw	Method	TBLASTX:Wheat
Start	18332	End	18757
GI	none	Score	213
Exons	18332..18682, 18332..18757, 18339..18755		

Seq. No.	2383	Seq. ID	OJ990923_19.9C17.C19
Gene No.	4983	Strand	-
Start	21453	End	22243
Name	OJ990923_19.9C17.C19.o2.tm	Method	TBLASTX:Maize
Start	18446	End	18871
GI	none	Score	192
Exons	18446..18871, 18459..18824, 18734..18853		

Seq. No.	2383	Seq. ID	OJ990923_19.9C17.C19
Gene No.	4983	Strand	-
Start	21453	End	22243
Name	OJ990923_19.9C17.C19.o4.ts	Method	TBLASTX:Soybean
Start	18503	End	18751
GI	none	Score	201
Exons	18503..18751		

Seq. No.	2383	Seq. ID	OJ990923_19.9C17.C19
Gene No.	4983	Strand	-
Start	21453	End	22243
Name	OJ990923_19.9C17.C19.o9.tm	Method	TBLASTX:Maize
Start	19523	End	19720
GI	none	Score	106
Exons	19523..19720, 19575..19682		

Seq. No.	2383	Seq. ID	OJ990923_19.9C17.C19
Gene No.	4983	Strand	-
Start	21453	End	22243
Name	OJ990923_19.9C17.C19.o11.tw	Method	TBLASTX:Wheat
Start	19724	End	20077
GI	none	Score	254
Exons	19724..20077		

Seq. No.	2383	Seq. ID	OJ990923_19.9C17.C19
Gene No.	4983	Strand	-
Start	21453	End	22243
Name	OJ990923_19.9C17.C19.o8.tw	Method	TBLASTX:Wheat
Start	20417	End	20761
GI	none	Score	68
Exons	20417..20761, 20567..20671		

Seq. No.	2383	Seq. ID	OJ990923_19.9C17.C19
Gene No.	4983	Strand	-

Start	21453	End	22243
Name	OJ990923_19.9C17.C19.o8.tm	Method	TBLASTX:Maize
Start	20456	End	20761
GI	none	Score	243
Exons	20456..20761		

Seq. No.	2383	Seq. ID	OJ990923_19.9C17.C19
Gene No.	4983	Strand	-
Start	21453	End	22243
Name	OJ990923_19.9C17.C19.o14.tw	Method	TBLASTX:Wheat
Start	20813	End	21011
GI	none	Score	121
Exons	20813..20995, 20814..21011		

Seq. No.	2383	Seq. ID	OJ990923_19.9C17.C19
Gene No.	4983	Strand	-
Start	21453	End	22243
Name	OJ990923_19.9C17.C19.o3.np	Method	AAT/NAP
Start	21453	End	22243
GI	4512231	Score	1271
Exons	21453..22243		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	2384	Seq. ID	OJ990923_19.9C17.C21
Gene No.	4984	Strand	+
Start	1261	End	3467
Name	OJ990923_19.9C17.C21.o1.gs	Method	GENSCAN
Start	1261	End	3464
GI	none	Score	.53
Exons	1261..1385, 1610..1799, 2444..2754, 3025..3464		

Seq. No.	2384	Seq. ID	OJ990923_19.9C17.C21
Gene No.	4984	Strand	+
Start	1261	End	3467
Name	OJ990923_19.9C17.C21.o1.tw	Method	TBLASTX:Wheat
Start	3009	End	3405
GI	none	Score	109
Exons	3009..3143, 3029..3178, 3146..3385, 3183..3404, 3223..3405		

Seq. No.	2384	Seq. ID	OJ990923_19.9C17.C21
Gene No.	4984	Strand	+
Start	1261	End	3467
Name	OJ990923_19.9C17.C21.o1.np	Method	AAT/NAP
Start	3114	End	3467
GI	6630696	Score	521
Exons	3114..3467		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	2384	Seq. ID	OJ990923_19.9C17.C21
Gene No.	4984	Strand	+
Start	1261	End	3467
Name	OJ990923_19.9C17.C21.o1.tm	Method	TBLASTX:Maize
Start	3155	End	3458
GI	none	Score	257
Exons	3155..3385, 3180..3458, 3282..3407		

Seq. No.	2385	Seq. ID	OJ990923_19.9C17.C22
Gene No.	4985	Strand	+
Start	348	End	5708
Name	OJ990923_19.9C17.C22.o1.gs	Method	GENSCAN
Start	348	End	5708
GI	none	Score	.64
Exons	348..384, 1067..1160, 1199..1862, 2103..3666, 3869..5708		

Seq. No.	2385	Seq. ID	OJ990923_19.9C17.C22
Gene No.	4985	Strand	+
Start	348	End	5708
Name	OJ990923_19.9C17.C22.o1.np	Method	AAT/NAP
Start	1064	End	5705
GI	4680179	Score	6552
Exons	1064..3868, 3936..5705		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2385	Seq. ID	OJ990923_19.9C17.C22
Gene No.	4985	Strand	+
Start	348	End	5708
Name	OJ990923_19.9C17.C22.o7.tw	Method	TBLASTX:Wheat
Start	1333	End	1696
GI	none	Score	286
Exons	1333..1437, 1337..1696, 1343..1612, 1462..1695		

Seq. No.	2385	Seq. ID	OJ990923_19.9C17.C22
Gene No.	4985	Strand	+
Start	348	End	5708
Name	OJ990923_19.9C17.C22.o7.tm	Method	TBLASTX:Maize
Start	1576	End	1873
GI	none	Score	202
Exons	1576..1764, 1577..1873		

Seq. No.	2385	Seq. ID	OJ990923_19.9C17.C22
Gene No.	4985	Strand	+
Start	348	End	5708
Name	OJ990923_19.9C17.C22.o6.tm	Method	TBLASTX:Maize
Start	2219	End	2539
GI	none	Score	204
Exons	2219..2539		

Seq. No.	2385	Seq. ID	OJ990923_19.9C17.C22
Gene No.	4985	Strand	+
Start	348	End	5708
Name	OJ990923_19.9C17.C22.o8.tw	Method	TBLASTX:Wheat
Start	2272	End	2626
GI	none	Score	266
Exons	2272..2367, 2273..2626, 2456..2590		

Seq. No.	2385	Seq. ID	OJ990923_19.9C17.C22
Gene No.	4985	Strand	+
Start	348	End	5708
Name	OJ990923_19.9C17.C22.o3.tw	Method	TBLASTX:Wheat
Start	2797	End	3283
GI	none	Score	546
Exons	2797..3240, 2801..3283		

Seq. No.	2385	Seq. ID	OJ990923_19.9C17.C22
Gene No.	4985	Strand	+
Start	348	End	5708
Name	OJ990923_19.9C17.C22.o4.tm	Method	TBLASTX:Maize
Start	2866	End	3337
GI	none	Score	381
Exons	2866..3111, 2870..3337, 2957..3304		

Seq. No.	2385	Seq. ID	OJ990923_19.9C17.C22
Gene No.	4985	Strand	+
Start	348	End	5708
Name	OJ990923_19.9C17.C22.o3.ts	Method	TBLASTX:Soybean
Start	2870	End	3151
GI	none	Score	183
Exons	2870..3151, 2953..3150		

Seq. No.	2385	Seq. ID	OJ990923_19.9C17.C22
Gene No.	4985	Strand	+
Start	348	End	5708
Name	OJ990923_19.9C17.C22.o1.ts	Method	TBLASTX:Soybean
Start	3224	End	3619
GI	none	Score	57
Exons	3224..3256, 3224..3256, 3260..3619, 3263..3337, 3267..3401, 3376..3618		

Seq. No.	2385	Seq. ID	OJ990923_19.9C17.C22
Gene No.	4985	Strand	+
Start	348	End	5708
Name	OJ990923_19.9C17.C22.o4.tw	Method	TBLASTX:Wheat
Start	3332	End	3733
GI	none	Score	530
Exons	3332..3733, 3332..3730, 3370..3732		

Seq. No.	2385	Seq. ID	OJ990923_19.9C17.C22
Gene No.	4985	Strand	+
Start	348	End	5708
Name	OJ990923_19.9C17.C22.o2.tm	Method	TBLASTX:Maize
Start	3353	End	3877
GI	none	Score	406
Exons	3353..3877, 3367..3624, 3670..3771		

Seq. No.	2385	Seq. ID	OJ990923_19.9C17.C22
Gene No.	4985	Strand	+
Start	348	End	5708
Name	OJ990923_19.9C17.C22.o4.ts	Method	TBLASTX:Soybean
Start	3644	End	3953
GI	none	Score	180
Exons	3644..3880, 3873..3953		

Seq. No.	2385	Seq. ID	OJ990923_19.9C17.C22
Gene No.	4985	Strand	+
Start	348	End	5708
Name	OJ990923_19.9C17.C22.o5.tw	Method	TBLASTX:Wheat
Start	3734	End	4143
GI	none	Score	236
Exons	3734..3880, 3739..3882, 3751..3885, 3752..3883, 3882..4121,		

3885..4127, 3898..4143

Seq. No.	2385	Seq. ID	OJ990923_19.9C17.C22
Gene No.	4985	Strand	+
Start	348	End	5708
Name	OJ990923_19.9C17.C22.o5.tm	Method	TBLASTX:Maize
Start	3885	End	4127
GI	none	Score	340
Exons	3885..4127, 3887..4042		

Seq. No.	2385	Seq. ID	OJ990923_19.9C17.C22
Gene No.	4985	Strand	+
Start	348	End	5708
Name	OJ990923_19.9C17.C22.o2.tw	Method	TBLASTX:Wheat
Start	4167	End	4694
GI	none	Score	585
Exons	4167..4694, 4233..4646, 4310..4693		

Seq. No.	2385	Seq. ID	OJ990923_19.9C17.C22
Gene No.	4985	Strand	+
Start	348	End	5708
Name	OJ990923_19.9C17.C22.o1.tc	Method	TBLASTX:Cress
Start	4392	End	4718
GI	none	Score	80
Exons	4392..4574, 4575..4718, 4640..4717		

Seq. No.	2385	Seq. ID	OJ990923_19.9C17.C22
Gene No.	4985	Strand	+
Start	348	End	5708
Name	OJ990923_19.9C17.C22.o2.ts	Method	TBLASTX:Soybean
Start	4482	End	4742
GI	none	Score	289
Exons	4482..4742, 4487..4588, 4640..4741		

Seq. No.	2385	Seq. ID	OJ990923_19.9C17.C22
Gene No.	4985	Strand	+
Start	348	End	5708
Name	OJ990923_19.9C17.C22.o3.tm	Method	TBLASTX:Maize
Start	4540	End	4832
GI	none	Score	386
Exons	4540..4731, 4542..4832, 4611..4829		

Seq. No.	2385	Seq. ID	OJ990923_19.9C17.C22
Gene No.	4985	Strand	+
Start	348	End	5708
Name	OJ990923_19.9C17.C22.o1.tw	Method	TBLASTX:Wheat
Start	4701	End	5327
GI	none	Score	708
Exons	4701..5327, 4757..5326		

Seq. No.	2385	Seq. ID	OJ990923_19.9C17.C22
Gene No.	4985	Strand	+
Start	348	End	5708
Name	OJ990923_19.9C17.C22.o1.tm	Method	TBLASTX:Maize
Start	4881	End	5468
GI	none	Score	217
Exons	4881..5042, 4889..5035, 5040..5468, 5042..5338, 5369..5467		

Seq. No.	2385	Seq. ID	OJ990923_19.9C17.C22
Gene No.	4985	Strand	+
Start	348	End	5708
Name	OJ990923_19.9C17.C22.o6.tw	Method	TBLASTX:Wheat
Start	5327	End	5660
GI	none	Score	357
Exons	5327..5464, 5328..5660		

Seq. No.	2385	Seq. ID	OJ990923_19.9C17.C22
Gene No.	4985	Strand	+
Start	348	End	5708
Name	OJ990923_19.9C17.C22.o8.tm	Method	TBLASTX:Maize
Start	5469	End	5681
GI	none	Score	196
Exons	5469..5681		

Seq. No.	2386	Seq. ID	OJ990923_19.9C17.C24
Gene No.	4986	Strand	+
Start	165	End	733
Name	OJ990923_19.9C17.C24.o1.gp	Method	AAT/GAP
Start	165	End	733
GI	4879016	Score	828
Exons	165..733		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	2387	Seq. ID	OJ990923_19.9C17.C25
Gene No.	4987	Strand	+
Start	437	End	521
Name	OJ990923_19.9C17.C25.o1.np	Method	AAT/NAP
Start	437	End	521
GI	6721547	Score	71
Exons	437..521		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	2388	Seq. ID	OJ990923_19.9C17.C26
Gene No.	4988	Strand	-
Start	1	End	947
Name	OJ990923_19.9C17.C26.o1.np	Method	AAT/NAP
Start	1	End	947
GI	4680179	Score	1399
Exons	1..947		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2388	Seq. ID	OJ990923_19.9C17.C26
Gene No.	4988	Strand	-
Start	1	End	947
Name	OJ990923_19.9C17.C26.o2.tw	Method	TBLASTX:Wheat
Start	1	End	308
GI	none	Score	263
Exons	1..288, 2..283, 3..308		

Seq. No.	2388	Seq. ID	OJ990923_19.9C17.C26
Gene No.	4988	Strand	-
Start	1	End	947

Name	OJ990923_19.9C17.C26.o2.tm	Method	TBLASTX:Maize
Start	1	End	291
GI	none	Score	97
Exons	1..291, 110..238		

Seq. No.	2388	Seq. ID	OJ990923_19.9C17.C26
Gene No.	4988	Strand	-
Start	1	End	947
Name	OJ990923_19.9C17.C26.o1.ts	Method	TBLASTX:Soybean
Start	40	End	435
GI	none	Score	174
Exons	40..291, 50..283, 236..394, 346..399, 356..397, 402..434, 403..435, 403..435		

Seq. No.	2388	Seq. ID	OJ990923_19.9C17.C26
Gene No.	4988	Strand	-
Start	1	End	947
Name	OJ990923_19.9C17.C26.o1.gs	Method	GENSCAN
Start	55	End	902
GI	none	Score	.68
Exons	55..493, 551..902		

Seq. No.	2388	Seq. ID	OJ990923_19.9C17.C26
Gene No.	4988	Strand	-
Start	1	End	947
Name	OJ990923_19.9C17.C26.o1.tm	Method	TBLASTX:Maize
Start	346	End	793
GI	none	Score	77
Exons	346..789, 551..793		

Seq. No.	2388	Seq. ID	OJ990923_19.9C17.C26
Gene No.	4988	Strand	-
Start	1	End	947
Name	OJ990923_19.9C17.C26.o1.tw	Method	TBLASTX:Wheat
Start	376	End	859
GI	none	Score	201
Exons	376..858, 379..855, 419..859		

Seq. No.	2388	Seq. ID	OJ990923_19.9C17.C26
Gene No.	4988	Strand	-
Start	1	End	947
Name	OJ990923_19.9C17.C26.o2.ts	Method	TBLASTX:Soybean
Start	511	End	822
GI	none	Score	190
Exons	511..822		

Seq. No.	2389	Seq. ID	OJ990923_19.9C17.C28
Gene No.	4989	Strand	+
Start	1	End	475
Name	OJ990923_19.9C17.C28.o1.gp	Method	AAT/GAP
Start	1	End	475
GI	342_1.R1084	Score	837
Exons	1..475		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	2390	Seq. ID	OJ990923_19.9C17.C34

Gene No.	4990	Strand	+
Start	1	End	1147
Name	OJ990923_19.9C17.C34.o1.gp	Method	AAT/GAP
Start	1	End	1147
GI	342_1.R1084	Score	2033
Exons	1..1147		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	2390	Seq. ID	OJ990923_19.9C17.C34
Gene No.	4990	Strand	+
Start	1	End	1147
Name	OJ990923_19.9C17.C34.o1.np	Method	AAT/NAP
Start	1	End	972
GI	6742729	Score	1516
Exons	1..972		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	2390	Seq. ID	OJ990923_19.9C17.C34
Gene No.	4990	Strand	+
Start	1	End	1147
Name	OJ990923_19.9C17.C34.o1.gs	Method	GENSCAN
Start	89	End	1129
GI	none	Score	.55
Exons	89..1129		

Seq. No.	2390	Seq. ID	OJ990923_19.9C17.C34
Gene No.	4990	Strand	+
Start	1	End	1147
Name	OJ990923_19.9C17.C34.o1.tw	Method	TBLASTX:Wheat
Start	139	End	1147
GI	none	Score	867
Exons	139..1041, 140..1057, 1052..1096, 1056..1091, 1099..1146, 1103..1147		

Seq. No.	2390	Seq. ID	OJ990923_19.9C17.C34
Gene No.	4990	Strand	+
Start	1	End	1147
Name	OJ990923_19.9C17.C34.o1.tm	Method	TBLASTX:Maize
Start	182	End	496
GI	none	Score	309
Exons	182..496, 193..468, 266..496		

Seq. No.	2390	Seq. ID	OJ990923_19.9C17.C34
Gene No.	4990	Strand	+
Start	1	End	1147
Name	OJ990923_19.9C17.C34.o1.tc	Method	TBLASTX:Cress
Start	423	End	874
GI	none	Score	164
Exons	423..605, 427..864, 427..870, 431..874, 725..874		

Seq. No.	2391	Seq. ID	OJ990923_19.9C17.C35
Gene No.	4991	Strand	+
Start	1	End	445
Name	OJ990923_19.9C17.C35.o1.np	Method	AAT/NAP
Start	1	End	445
GI	5032119	Score	79

Exons	1..445		
GI Descrip.	Ser/Arg-related nuclear matrix protein (plenty of prolines 101-like) gi|3005587 (AF048977) Ser/Arg-related nuclear matrix protein [Homo sapiens]		
Seq. No.	2391	Seq. ID	OJ990923_19.9C17.C35
Gene No.	4991	Strand	+
Start	1	End	445
Name	OJ990923_19.9C17.C35.o1.gs	Method	GENSCAN
Start	124	End	222
GI	none	Score	.71
Exons	124..222		
Seq. No.	2392	Seq. ID	OJ990923_19.9C17.C36
Gene No.	4992	Strand	+
Start	83	End	306
Name	OJ990923_19.9C17.C36.o1.gs	Method	GENSCAN
Start	83	End	306
GI	none	Score	.76
Exons	83..306		
Seq. No.	2392	Seq. ID	OJ990923_19.9C17.C36
Gene No.	4993	Strand	-
Start	555	End	1896
Name	OJ990923_19.9C17.C36.o2.gs	Method	GENSCAN
Start	555	End	1798
GI	none	Score	.7
Exons	555..1025, 1097..1798		
Seq. No.	2392	Seq. ID	OJ990923_19.9C17.C36
Gene No.	4993	Strand	-
Start	555	End	1896
Name	OJ990923_19.9C17.C36.o1.np	Method	AAT/NAP
Start	558	End	1896
GI	4680179	Score	2042
Exons	558..1896		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	2392	Seq. ID	OJ990923_19.9C17.C36
Gene No.	4993	Strand	-
Start	555	End	1896
Name	OJ990923_19.9C17.C36.o3.tw	Method	TBLASTX:Wheat
Start	603	End	936
GI	none	Score	77
Exons	603..935, 624..785, 655..936		
Seq. No.	2392	Seq. ID	OJ990923_19.9C17.C36
Gene No.	4993	Strand	-
Start	555	End	1896
Name	OJ990923_19.9C17.C36.o1.tm	Method	TBLASTX:Maize
Start	798	End	1385
GI	none	Score	116
Exons	798..1013, 799..1026, 1019..1225, 1056..1226, 1223..1384, 1230..1385		
Seq. No.	2392	Seq. ID	OJ990923_19.9C17.C36
Gene No.	4993	Strand	-

Start	555	End	1896
Name	OJ990923_19.9C17.C36.o1.tw	Method	TBLASTX:Wheat
Start	936	End	1564
GI	none	Score	57
Exons	936..1004, 937..1029, 1016..1564, 1056..1505		

Seq. No.	2392	Seq. ID	OJ990923_19.9C17.C36
Gene No.	4993	Strand	-
Start	555	End	1896
Name	OJ990923_19.9C17.C36.o2.tm	Method	TBLASTX:Maize
Start	1433	End	1725
GI	none	Score	298
Exons	1433..1723, 1437..1724, 1522..1725		

Seq. No.	2392	Seq. ID	OJ990923_19.9C17.C36
Gene No.	4993	Strand	-
Start	555	End	1896
Name	OJ990923_19.9C17.C36.o1.ts	Method	TBLASTX:Soybean
Start	1523	End	1783
GI	none	Score	194
Exons	1523..1783, 1524..1772		

Seq. No.	2392	Seq. ID	OJ990923_19.9C17.C36
Gene No.	4993	Strand	-
Start	555	End	1896
Name	OJ990923_19.9C17.C36.o1.tc	Method	TBLASTX:Cress
Start	1547	End	1873
GI	none	Score	87
Exons	1547..1690, 1548..1688, 1691..1873		

Seq. No.	2392	Seq. ID	OJ990923_19.9C17.C36
Gene No.	4993	Strand	-
Start	555	End	1896
Name	OJ990923_19.9C17.C36.o2.tw	Method	TBLASTX:Wheat
Start	1571	End	1888
GI	none	Score	266
Exons	1571..1888, 1575..1853		

Seq. No.	2393	Seq. ID	OJ990923_19.9C17.C37
Gene No.	4994	Strand	-
Start	1	End	1362
Name	OJ990923_19.9C17.C37.o1.np	Method	AAT/NAP
Start	1	End	1362
GI	4680179	Score	1244
Exons	1..452, 480..1362		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2393	Seq. ID	OJ990923_19.9C17.C37
Gene No.	4994	Strand	-
Start	1	End	1362
Name	OJ990923_19.9C17.C37.o2.tw	Method	TBLASTX:Wheat
Start	42	End	395
GI	none	Score	258
Exons	42..395		

Seq. No.	2393	Seq. ID	OJ990923_19.9C17.C37
Gene No.	4994	Strand	-

Start	1	End	1362
Name	OJ990923_19.9C17.C37.o1.gs	Method	GENSCAN
Start	395	End	1272
GI	none	Score	.51
Exons	395..1119, 1144..1272		

Seq. No.	2393	Seq. ID	OJ990923_19.9C17.C37
Gene No.	4994	Strand	-
Start	1	End	1362
Name	OJ990923_19.9C17.C37.o1.tw	Method	TBLASTX:Wheat
Start	729	End	1082
GI	none	Score	73
Exons	729..1079, 885..1082		

Seq. No.	2393	Seq. ID	OJ990923_19.9C17.C37
Gene No.	4994	Strand	-
Start	1	End	1362
Name	OJ990923_19.9C17.C37.o1.tm	Method	TBLASTX:Maize
Start	741	End	1079
GI	none	Score	63
Exons	741..1079, 846..1079		

Seq. No.	2393	Seq. ID	OJ990923_19.9C17.C37
Gene No.	4994	Strand	-
Start	1	End	1362
Name	OJ990923_19.9C17.C37.o3.tw	Method	TBLASTX:Wheat
Start	1131	End	1358
GI	none	Score	54
Exons	1131..1325, 1131..1358, 1132..1329		

Seq. No.	2394	Seq. ID	OJ990923_19.9C17.C38
Gene No.	4995	Strand	-
Start	323	End	806
Name	OJ990923_19.9C17.C38.o1.gs	Method	GENSCAN
Start	323	End	806
GI	none	Score	.41
Exons	323..484, 554..806		

Seq. No.	2395	Seq. ID	OJ990923_19.9C17.C41
Gene No.	4996	Strand	-
Start	390	End	530
Name	OJ990923_19.9C17.C41.o1.gs	Method	GENSCAN
Start	390	End	530
GI	none	Score	.85
Exons	390..530		

Seq. No.	2396	Seq. ID	OJ990923_19.9C17.C42
Gene No.	4997	Strand	+
Start	1	End	754
Name	OJ990923_19.9C17.C42.o1.np	Method	AAT/NAP
Start	1	End	754
GI	4512231	Score	1170
Exons	1..754		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	2396	Seq. ID	OJ990923_19.9C17.C42
Gene No.	4997	Strand	+

Start	1	End	754
Name	OJ990923_19.9C17.C42.o1.gs	Method	GENSCAN
Start	27	End	752
GI	none	Score	.99
Exons	27..752		

Seq. No.	2397	Seq. ID	OJ990823_14.9C23.C3
Gene No.	4998	Strand	+
Start	504	End	2768
Name	OJ990823_14.9C23.C3.o1.gs	Method	GENSCAN
Start	504	End	2768
GI	none	Score	.81
Exons	504..1527, 1669..1887, 2101..2312, 2641..2768		

Seq. No.	2397	Seq. ID	OJ990823_14.9C23.C3
Gene No.	4998	Strand	+
Start	504	End	2768
Name	OJ990823_14.9C23.C3.o1.tc	Method	TBLASTX:Cress
Start	578	End	2164
GI	none	Score	263
Exons	578..997, 1883..2023, 2102..2164		

Seq. No.	2397	Seq. ID	OJ990823_14.9C23.C3
Gene No.	4998	Strand	+
Start	504	End	2768
Name	OJ990823_14.9C23.C3.o1.tm	Method	TBLASTX:Maize
Start	805	End	1856
GI	none	Score	599
Exons	805..1008, 806..1294, 1034..1264, 1292..1582, 1293..1583, 1294..1587, 1343..1585, 1654..1851, 1667..1849, 1719..1856, 1732..1851		

Seq. No.	2398	Seq. ID	OJ990823_14.9C23.C4
Gene No.	4999	Strand	+
Start	729	End	4332
Name	OJ990823_14.9C23.C4.o1.gs	Method	GENSCAN
Start	729	End	4332
GI	none	Score	.84
Exons	729..897, 988..1154, 2022..2115, 2207..2355, 2434..2526, 2720..2899, 3223..3389, 3664..3798, 3870..3958, 4016..4332		

Seq. No.	2398	Seq. ID	OJ990823_14.9C23.C4
Gene No.	4999	Strand	+
Start	729	End	4332
Name	OJ990823_14.9C23.C4.o1.np	Method	AAT/NAP
Start	795	End	4329
GI	3355717	Score	1850
Exons	795..903, 988..1154, 2022..2115, 2207..2355, 2434..2526, 2720..2899, 3223..3389, 3664..3798, 3870..3963, 4051..4329		
GI Descrip.	(Y13053) seryl-tRNA synthetase [Zea mays]		

Seq. No.	2398	Seq. ID	OJ990823_14.9C23.C4
Gene No.	5000	Strand	+
Start	5314	End	7786
Name	OJ990823_14.9C23.C4.o2.np	Method	AAT/NAP
Start	5314	End	7786
GI	82013	Score	165

Exons	5314..5449, 7638..7786		
GI Descrip.	H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - evening primrose mitochondrion		
Seq. No.	2398	Seq. ID	OJ990823_14.9C23.C4
Gene No.	5001	Strand	-
Start	5994	End	6923
Name	OJ990823_14.9C23.C4.o2.gs	Method	GENSCAN
Start	5994	End	6923
GI	none	Score	.83
Exons	5994..6037, 6707..6923		
Seq. No.	2398	Seq. ID	OJ990823_14.9C23.C4
Gene No.	5002	Strand	-
Start	12702	End	14698
Name	OJ990823_14.9C23.C4.o2.tm	Method	TBLASTX:Maize
Start	1011	End	2359
GI	none	Score	201
Exons	1011..1157, 1013..1153, 2012..2119, 2013..2120, 2197..2358, 2198..2359, 2206..2358		
Seq. No.	2398	Seq. ID	OJ990823_14.9C23.C4
Gene No.	5002	Strand	-
Start	12702	End	14698
Name	OJ990823_14.9C23.C4.o2.ts	Method	TBLASTX:Soybean
Start	2022	End	2905
GI	none	Score	129
Exons	2022..2120, 2022..2117, 2197..2259, 2209..2337, 2248..2358, 2280..2357, 2429..2527, 2434..2529, 2434..2565, 2710..2877, 2717..2905, 2719..2895		
Seq. No.	2398	Seq. ID	OJ990823_14.9C23.C4
Gene No.	5002	Strand	-
Start	12702	End	14698
Name	OJ990823_14.9C23.C4.o1.tc	Method	TBLASTX:Cress
Start	2263	End	2778
GI	none	Score	107
Exons	2263..2358, 2283..2369, 2416..2529, 2425..2523, 2716..2778		
Seq. No.	2398	Seq. ID	OJ990823_14.9C23.C4
Gene No.	5002	Strand	-
Start	12702	End	14698
Name	OJ990823_14.9C23.C4.o1.tm	Method	TBLASTX:Maize
Start	3662	End	12159
GI	none	Score	224
Exons	3662..3799, 3662..3796, 3663..3797, 3849..3950, 3859..3966, 3864..3962, 4039..4164, 4050..4157, 4126..4332, 4161..4331, 12054..12113, 12115..12159		
Seq. No.	2398	Seq. ID	OJ990823_14.9C23.C4
Gene No.	5002	Strand	-
Start	12702	End	14698
Name	OJ990823_14.9C23.C4.o1.ts	Method	TBLASTX:Soybean
Start	3743	End	4239
GI	none	Score	81
Exons	3743..3799, 3859..3966, 3864..3962, 4048..4116, 4050..4112, 4122..4238, 4138..4239		

Seq. No.	2398	Seq. ID	OJ990823_14.9C23.C4
Gene No.	5002	Strand	-
Start	12702	End	14698
Name	OJ990823_14.9C23.C4.o4.gs	Method	GENSCAN
Start	12702	End	14698
GI	none	Score	.62
Exons	12702..12807, 12836..13173, 13676..14084, 14637..14698		

Seq. No.	2399	Seq. ID	OJ990823_14.9C23.C5
Gene No.	5003	Strand	+
Start	448	End	1868
Name	OJ990823_14.9C23.C5.o1.gs	Method	GENSCAN
Start	448	End	1868
GI	none	Score	.53
Exons	448..512, 1835..1868		

Seq. No.	2399	Seq. ID	OJ990823_14.9C23.C5
Gene No.	5004	Strand	+
Start	4209	End	13677
Name	OJ990823_14.9C23.C5.o1.np	Method	AAT/NAP
Start	4209	End	13677
GI	4539660	Score	2882
Exons	4209..6351, 9436..9681, 13188..13677		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	2399	Seq. ID	OJ990823_14.9C23.C5
Gene No.	5005	Strand	+
Start	14086	End	14579
Name	OJ990823_14.9C23.C5.o1.gp	Method	AAT/GAP
Start	14086	End	14579
GI	none	Score	897
Exons	14086..14579		

Seq. No.	2399	Seq. ID	OJ990823_14.9C23.C5
Gene No.	5006	Strand	-
Start	7146	End	16023
Name	OJ990823_14.9C23.C5.o3.gs	Method	GENSCAN
Start	7146	End	16023
GI	none	Score	.55
Exons	7146..7703, 7757..7805, 8555..8673, 9082..9219, 10447..10609, 11939..12011, 12175..12644, 13403..13446, 13485..13598, 14163..14401, 16017..16023		

Seq. No.	2399	Seq. ID	OJ990823_14.9C23.C5
Gene No.	5007	Strand	-
Start	16749	End	17117
Name	OJ990823_14.9C23.C5.o5.tm	Method	TBLASTX:Maize
Start	4262	End	4648
GI	none	Score	57
Exons	4262..4345, 4412..4648, 4432..4590		

Seq. No.	2399	Seq. ID	OJ990823_14.9C23.C5
Gene No.	5007	Strand	-
Start	16749	End	17117
Name	OJ990823_14.9C23.C5.o2.tw	Method	TBLASTX:Wheat
Start	4303	End	4774

GI	none	Score	80
Exons	4303..4536, 4360..4770, 4403..4774		

Seq. No.	2399	Seq. ID	OJ990823_14.9C23.C5
Gene No.	5007	Strand	-
Start	16749	End	17117
Name	OJ990823_14.9C23.C5.o2.tm	Method	TBLASTX:Maize
Start	4660	End	5161
GI	none	Score	180
Exons	4660..4794, 4661..4846, 4870..5049, 4871..5161		

Seq. No.	2399	Seq. ID	OJ990823_14.9C23.C5
Gene No.	5007	Strand	-
Start	16749	End	17117
Name	OJ990823_14.9C23.C5.o1.ts	Method	TBLASTX:Soybean
Start	4751	End	5110
GI	none	Score	420
Exons	4751..5110, 4753..5109		

Seq. No.	2399	Seq. ID	OJ990823_14.9C23.C5
Gene No.	5007	Strand	-
Start	16749	End	17117
Name	OJ990823_14.9C23.C5.o5.tw	Method	TBLASTX:Wheat
Start	4823	End	5125
GI	none	Score	329
Exons	4823..5125, 4870..5121		

Seq. No.	2399	Seq. ID	OJ990823_14.9C23.C5
Gene No.	5007	Strand	-
Start	16749	End	17117
Name	OJ990823_14.9C23.C5.o1.tw	Method	TBLASTX:Wheat
Start	5126	End	5566
GI	none	Score	544
Exons	5126..5566, 5128..5187, 5180..5458, 5203..5550		

Seq. No.	2399	Seq. ID	OJ990823_14.9C23.C5
Gene No.	5007	Strand	-
Start	16749	End	17117
Name	OJ990823_14.9C23.C5.o1.tm	Method	TBLASTX:Maize
Start	5195	End	5553
GI	none	Score	477
Exons	5195..5551, 5197..5553		

Seq. No.	2399	Seq. ID	OJ990823_14.9C23.C5
Gene No.	5007	Strand	-
Start	16749	End	17117
Name	OJ990823_14.9C23.C5.o3.tw	Method	TBLASTX:Wheat
Start	5651	End	6109
GI	none	Score	406
Exons	5651..6109, 5734..6108		

Seq. No.	2399	Seq. ID	OJ990823_14.9C23.C5
Gene No.	5007	Strand	-
Start	16749	End	17117
Name	OJ990823_14.9C23.C5.o3.tm	Method	TBLASTX:Maize
Start	5756	End	6175
GI	none	Score	348

Exons	5756..6175, 5758..6162		
Seq. No.	2399	Seq. ID	OJ990823_14.9C23.C5
Gene No.	5007	Strand	-
Start	16749	End	17117
Name	OJ990823_14.9C23.C5.o2.ts	Method	TBLASTX:Soybean
Start	5894	End	6268
GI	none	Score	144
Exons	5894..6073, 5908..6072, 6082..6177, 6086..6268, 6196..6267		
Seq. No.	2399	Seq. ID	OJ990823_14.9C23.C5
Gene No.	5007	Strand	-
Start	16749	End	17117
Name	OJ990823_14.9C23.C5.o6.tw	Method	TBLASTX:Wheat
Start	6115	End	9586
GI	none	Score	255
Exons	6115..6336, 6116..6358, 9436..9582, 9440..9586		
Seq. No.	2399	Seq. ID	OJ990823_14.9C23.C5
Gene No.	5007	Strand	-
Start	16749	End	17117
Name	OJ990823_14.9C23.C5.o6.tm	Method	TBLASTX:Maize
Start	6176	End	6358
GI	none	Score	191
Exons	6176..6358, 6199..6336		
Seq. No.	2399	Seq. ID	OJ990823_14.9C23.C5
Gene No.	5007	Strand	-
Start	16749	End	17117
Name	OJ990823_14.9C23.C5.o4.tm	Method	TBLASTX:Maize
Start	9487	End	13425
GI	none	Score	288
Exons	9487..9681, 9488..9682, 13183..13425, 13284..13424		
Seq. No.	2399	Seq. ID	OJ990823_14.9C23.C5
Gene No.	5007	Strand	-
Start	16749	End	17117
Name	OJ990823_14.9C23.C5.o4.tw	Method	TBLASTX:Wheat
Start	13243	End	13667
GI	none	Score	367
Exons	13243..13665, 13284..13469, 13506..13667		
Seq. No.	2399	Seq. ID	OJ990823_14.9C23.C5
Gene No.	5007	Strand	-
Start	16749	End	17117
Name	OJ990823_14.9C23.C5.o3.gp	Method	AAT/GAP
Start	16749	End	17117
GI	none	Score	671
Exons	16749..17117		
Seq. No.	2400	Seq. ID	OJ990823_14.9C23.C6
Gene No.	5008	Strand	+
Start	79	End	180
Name	OJ990823_14.9C23.C6.o1.gs	Method	GENSCAN
Start	79	End	180
GI	none	Score	.8
Exons	79..180		

Seq. No.	2400	Seq. ID	OJ990823_14.9C23.C6
Gene No.	5009	Strand	+
Start	1898	End	3620
Name	OJ990823_14.9C23.C6.o1.np	Method	AAT/NAP
Start	1791	End	3526
GI	2244915	Score	499
Exons	1791..2880, 2935..3526		
GI Descrip.	(Z97339) reverse transcriptase like protein [Arabidopsis thaliana]		

Seq. No.	2400	Seq. ID	OJ990823_14.9C23.C6
Gene No.	5009	Strand	+
Start	1898	End	3620
Name	OJ990823_14.9C23.C6.o3.tw	Method	TBLASTX:Wheat
Start	1795	End	2049
GI	none	Score	195
Exons	1795..2049		

Seq. No.	2400	Seq. ID	OJ990823_14.9C23.C6
Gene No.	5009	Strand	+
Start	1898	End	3620
Name	OJ990823_14.9C23.C6.o2.gs	Method	GENSCAN
Start	1898	End	2840
GI	none	Score	53
Exons	1898..1927, 2571..2840		

Seq. No.	2400	Seq. ID	OJ990823_14.9C23.C6
Gene No.	5009	Strand	+
Start	1898	End	3620
Name	OJ990823_14.9C23.C6.o1.tm	Method	TBLASTX:Maize
Start	2330	End	3317
GI	none	Score	124
Exons	2330..2506, 2402..2494, 2490..2675, 2510..2668, 2676..2891, 2684..2893, 2892..3191, 2894..2968, 3014..3184, 3193..3249, 3193..3240, 3294..3317		

Seq. No.	2400	Seq. ID	OJ990823_14.9C23.C6
Gene No.	5009	Strand	+
Start	1898	End	3620
Name	OJ990823_14.9C23.C6.o2.tw	Method	TBLASTX:Wheat
Start	2378	End	2687
GI	none	Score	127
Exons	2378..2512, 2416..2514, 2511..2687, 2516..2590		

Seq. No.	2400	Seq. ID	OJ990823_14.9C23.C6
Gene No.	5009	Strand	+
Start	1898	End	3620
Name	OJ990823_14.9C23.C6.o1.ts	Method	TBLASTX:Soybean
Start	2907	End	3428
GI	none	Score	55
Exons	2907..2963, 3047..3181, 3048..3215, 3264..3428, 3305..3406		

Seq. No.	2400	Seq. ID	OJ990823_14.9C23.C6
Gene No.	5009	Strand	+
Start	1898	End	3620
Name	OJ990823_14.9C23.C6.o1.tw	Method	TBLASTX:Wheat

Start	3057	End	3503
GI	none	Score	93
Exons	3057..3194, 3258..3413, 3296..3406, 3414..3503		

Seq. No.	2400	Seq. ID	OJ990823_14.9C23.C6
Gene No.	5009	Strand	+
Start	1898	End	3620
Name	OJ990823_14.9C23.C6.o2.tm	Method	TBLASTX:Maize
Start	3255	End	3620
GI	none	Score	190
Exons	3255..3500, 3257..3436, 3258..3440, 3334..3501, 3507..3542, 3513..3620, 3597..3620		

Seq. No.	2401	Seq. ID	OJ990823_14.9C23.C7
Gene No.	5010	Strand	+
Start	346	End	4476
Name	OJ990823_14.9C23.C7.o1.gs	Method	GENSCAN
Start	346	End	4476
GI	none	Score	.67
Exons	346..461, 702..996, 3457..3553, 4350..4476		

Seq. No.	2401	Seq. ID	OJ990823_14.9C23.C7
Gene No.	5010	Strand	+
Start	346	End	4476
Name	OJ990823_14.9C23.C7.o1.np	Method	AAT/NAP
Start	687	End	2293
GI	4581169	Score	63
Exons	687..996, 2248..2293		
GI Descrip.	(AC006220) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	2401	Seq. ID	OJ990823_14.9C23.C7
Gene No.	5011	Strand	+
Start	13576	End	14813
Name	OJ990823_14.9C23.C7.o3.gs	Method	GENSCAN
Start	13576	End	14813
GI	none	Score	.42
Exons	13576..13818, 14017..14085, 14111..14180, 14665..14813		

Seq. No.	2401	Seq. ID	OJ990823_14.9C23.C7
Gene No.	5012	Strand	+
Start	19412	End	19586
Name	OJ990823_14.9C23.C7.o2.gp	Method	AAT/GAP
Start	19412	End	19586
GI	2309883	Score	273
Exons	19412..19586		
GI Descrip.	2149018/gb|U70541|OSU70541 5.0e-25 Oryza sativa putative ADP-glucose pyrophosphorylase subunit SH2 and putative NADPH-dependent reductase A1 genes, complete cds		

Seq. No.	2401	Seq. ID	OJ990823_14.9C23.C7
Gene No.	5013	Strand	-
Start	5795	End	8722
Name	OJ990823_14.9C23.C7.o2.gs	Method	GENSCAN
Start	5795	End	8722
GI	none	Score	.84
Exons	5795..8722		

Seq. No.	2401	Seq. ID	OJ990823_14.9C23.C7
Gene No.	5014	Strand	-
Start	12455	End	12540
Name	OJ990823_14.9C23.C7.o1.gp	Method	AAT/GAP
Start	12455	End	12540
GI	90742_1.R1084	Score	98
Exons	12455..12540		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 4.0e-29 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	2401	Seq. ID	OJ990823_14.9C23.C7
Gene No.	5015	Strand	-
Start	14735	End	19070
Name	OJ990823_14.9C23.C7.o5.np	Method	AAT/NAP
Start	14735	End	18539
GI	6721547	Score	79
Exons	14735..14784, 18422..18539		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	2401	Seq. ID	OJ990823_14.9C23.C7
Gene No.	5015	Strand	-
Start	14735	End	19070
Name	OJ990823_14.9C23.C7.o4.gs	Method	GENSCAN
Start	16219	End	19070
GI	none	Score	.66
Exons	16219..16279, 18919..19070		

Seq. No.	2402	Seq. ID	OJ990823_14.9C23.C8
Gene No.	5016	Strand	+
Start	1	End	3455
Name	OJ990823_14.9C23.C8.o1.np	Method	AAT/NAP
Start	1	End	3455
GI	4539658	Score	112
Exons	1..28, 3256..3455		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	2402	Seq. ID	OJ990823_14.9C23.C8
Gene No.	5016	Strand	+
Start	1	End	3455
Name	OJ990823_14.9C23.C8.o1.gp	Method	AAT/GAP
Start	941	End	1012
GI	3760640	Score	105
Exons	941..1012		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	2402	Seq. ID	OJ990823_14.9C23.C8
Gene No.	5016	Strand	+
Start	1	End	3455
Name	OJ990823_14.9C23.C8.o2.np	Method	AAT/NAP
Start	3262	End	3455
GI	4539658	Score	112
Exons	3262..3455		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	2402	Seq. ID	OJ990823_14.9C23.C8
Gene No.	5017	Strand	-
Start	1927	End	2679
Name	OJ990823_14.9C23.C8.o1.gs	Method	GENSCAN
Start	1927	End	2679
GI	none	Score	.9
Exons	1927..2102, 2598..2679		

Seq. No.	2403	Seq. ID	OJ990823_14.9C23.C9
Gene No.	5018	Strand	+
Start	4149	End	6509
Name	OJ990823_14.9C23.C9.o2.gs	Method	GENSCAN
Start	4149	End	6509
GI	none	Score	.63
Exons	4149..4213, 4475..4610, 5421..5662, 6248..6509		

Seq. No.	2403	Seq. ID	OJ990823_14.9C23.C9
Gene No.	5019	Strand	+
Start	7274	End	7837
Name	OJ990823_14.9C23.C9.o3.gs	Method	GENSCAN
Start	7274	End	7837
GI	none	Score	1
Exons	7274..7837		

Seq. No.	2403	Seq. ID	OJ990823_14.9C23.C9
Gene No.	5020	Strand	+
Start	8683	End	9589
Name	OJ990823_14.9C23.C9.o4.gs	Method	GENSCAN
Start	8683	End	9589
GI	none	Score	.43
Exons	8683..8696, 8962..9589		

Seq. No.	2403	Seq. ID	OJ990823_14.9C23.C9
Gene No.	5021	Strand	-
Start	201	End	2813
Name	OJ990823_14.9C23.C9.o1.gs	Method	GENSCAN
Start	201	End	2813
GI	none	Score	.43
Exons	201..263, 600..694, 948..1157, 1316..1476, 1711..1741, 2768..2813		

Seq. No.	2403	Seq. ID	OJ990823_14.9C23.C9
Gene No.	5022	Strand	-
Start	10525	End	11307
Name	OJ990823_14.9C23.C9.o5.gs	Method	GENSCAN
Start	10525	End	11307
GI	none	Score	.48
Exons	10525..10650, 10721..10975, 11020..11307		

Seq. No.	2403	Seq. ID	OJ990823_14.9C23.C9
Gene No.	5023	Strand	-
Start	13065	End	13643
Name	OJ990823_14.9C23.C9.o6.gs	Method	GENSCAN
Start	13065	End	13643
GI	none	Score	.72
Exons	13065..13643		

Seq. No.	2403	Seq. ID	OJ990823_14.9C23.C9
Gene No.	5024	Strand	-
Start	16078	End	16151
Name	OJ990823_14.9C23.C9.o1.tc	Method	TBLASTX:Cress
Start	8201	End	8393
GI	none	Score	87
Exons	8201..8260, 8208..8264, 8209..8376, 8211..8264, 8251..8373, 8261..8377, 8262..8393		

Seq. No.	2403	Seq. ID	OJ990823_14.9C23.C9
Gene No.	5024	Strand	-
Start	16078	End	16151
Name	OJ990823_14.9C23.C9.o7.gs	Method	GENSCAN
Start	16078	End	16151
GI	none	Score	1
Exons	16078..16151		

Seq. No.	2404	Seq. ID	OJ990823_14.9C23.C10
Gene No.	5025	Strand	+
Start	8705	End	9919
Name	OJ990823_14.9C23.C10.o3.np	Method	AAT/NAP
Start	7405	End	8834
GI	6907088	Score	1120
Exons	7405..7542, 7718..7955, 8449..8834		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	2404	Seq. ID	OJ990823_14.9C23.C10
Gene No.	5025	Strand	+
Start	8705	End	9919
Name	OJ990823_14.9C23.C10.o4.np	Method	AAT/NAP
Start	8489	End	9919
GI	6907086	Score	1120
Exons	8489..9254, 9315..9724, 9776..9919		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	2404	Seq. ID	OJ990823_14.9C23.C10
Gene No.	5025	Strand	+
Start	8705	End	9919
Name	OJ990823_14.9C23.C10.o2.gs	Method	GENSCAN
Start	8705	End	9226
GI	none	Score	1
Exons	8705..9226		

Seq. No.	2404	Seq. ID	OJ990823_14.9C23.C10
Gene No.	5026	Strand	+
Start	13679	End	15106
Name	OJ990823_14.9C23.C10.o4.gs	Method	GENSCAN
Start	13679	End	15106
GI	none	Score	.81
Exons	13679..13766, 13768..13886, 14228..14530, 14538..14688, 14928..15106		

Seq. No.	2404	Seq. ID	OJ990823_14.9C23.C10
Gene No.	5027	Strand	-
Start	425	End	6266
Name	OJ990823_14.9C23.C10.o1.np	Method	AAT/NAP

Start	425	End	6036
GI	4680179	Score	4556
Exons	425..3842, 3945..4814, 5901..6036		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2404	Seq. ID	OJ990823_14.9C23.C10
Gene No.	5027	Strand	-
Start	425	End	6266
Name	OJ990823_14.9C23.C10.o2.np	Method	AAT/NAP
Start	5485	End	6266
GI	6002794	Score	1276
Exons	5485..6266		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	2404	Seq. ID	OJ990823_14.9C23.C10
Gene No.	5028	Strand	-
Start	11401	End	13412
Name	OJ990823_14.9C23.C10.o3.gs	Method	GENSCAN
Start	11401	End	13412
GI	none	Score	.76
Exons	11401..11645, 11877..12071, 12265..12391, 12460..12590, 13127..13412		

Seq. No.	2404	Seq. ID	OJ990823_14.9C23.C10
Gene No.	5029	Strand	-
Start	16198	End	16353
Name	OJ990823_14.9C23.C10.o5.tw	Method	TBLASTX:Wheat
Start	469	End	801
GI	none	Score	162
Exons	469..801, 490..762		

Seq. No.	2404	Seq. ID	OJ990823_14.9C23.C10
Gene No.	5029	Strand	-
Start	16198	End	16353
Name	OJ990823_14.9C23.C10.o1.tm	Method	TBLASTX:Maize
Start	652	End	1245
GI	none	Score	64
Exons	652..747, 652..1089, 794..862, 947..1087, 1006..1089, 1087..1245, 1094..1240		

Seq. No.	2404	Seq. ID	OJ990823_14.9C23.C10
Gene No.	5029	Strand	-
Start	16198	End	16353
Name	OJ990823_14.9C23.C10.o1.tw	Method	TBLASTX:Wheat
Start	802	End	1428
GI	none	Score	137
Exons	802..1428, 853..1281, 926..1333		

Seq. No.	2404	Seq. ID	OJ990823_14.9C23.C10
Gene No.	5029	Strand	-
Start	16198	End	16353
Name	OJ990823_14.9C23.C10.o4.tm	Method	TBLASTX:Maize
Start	1297	End	1587
GI	none	Score	125
Exons	1297..1587, 1300..1515, 1397..1576		

Seq. No.	2404	Seq. ID	OJ990823_14.9C23.C10

Gene No.	5029	Strand	-
Start	16198	End	16353
Name	OJ990823_14.9C23.C10.o2.ts	Method	TBLASTX:Soybean
Start	1387	End	1642
GI	none	Score	73
Exons	1387..1515, 1387..1635, 1397..1642		

Seq. No.	2404	Seq. ID	OJ990823_14.9C23.C10
Gene No.	5029	Strand	-
Start	16198	End	16353
Name	OJ990823_14.9C23.C10.o1.tc	Method	TBLASTX:Cress
Start	1411	End	1728
GI	none	Score	98
Exons	1411..1554, 1427..1552, 1555..1707, 1555..1728		

Seq. No.	2404	Seq. ID	OJ990823_14.9C23.C10
Gene No.	5029	Strand	-
Start	16198	End	16353
Name	OJ990823_14.9C23.C10.o3.tw	Method	TBLASTX:Wheat
Start	1435	End	1959
GI	none	Score	293
Exons	1435..1794, 1439..1885, 1843..1959		

Seq. No.	2404	Seq. ID	OJ990823_14.9C23.C10
Gene No.	5029	Strand	-
Start	16198	End	16353
Name	OJ990823_14.9C23.C10.o2.tm	Method	TBLASTX:Maize
Start	2002	End	2355
GI	none	Score	213
Exons	2002..2355, 2054..2353		

Seq. No.	2404	Seq. ID	OJ990823_14.9C23.C10
Gene No.	5029	Strand	-
Start	16198	End	16353
Name	OJ990823_14.9C23.C10.o2.tw	Method	TBLASTX:Wheat
Start	2002	End	2428
GI	none	Score	123
Exons	2002..2427, 2004..2366, 2017..2424, 2039..2428		

Seq. No.	2404	Seq. ID	OJ990823_14.9C23.C10
Gene No.	5029	Strand	-
Start	16198	End	16353
Name	OJ990823_14.9C23.C10.o3.ts	Method	TBLASTX:Soybean
Start	2176	End	2421
GI	none	Score	214
Exons	2176..2421		

Seq. No.	2404	Seq. ID	OJ990823_14.9C23.C10
Gene No.	5029	Strand	-
Start	16198	End	16353
Name	OJ990823_14.9C23.C10.o5.tm	Method	TBLASTX:Maize
Start	2362	End	2709
GI	none	Score	65
Exons	2362..2709, 2507..2641		

Seq. No.	2404	Seq. ID	OJ990823_14.9C23.C10
Gene No.	5029	Strand	-

Start	16198	End	16353
Name	OJ990823_14.9C23.C10.o6.tw	Method	TBLASTX:Wheat
Start	2434	End	2730
GI	none	Score	177
Exons	2434..2730, 2471..2686		

Seq. No.	2404	Seq. ID	OJ990823_14.9C23.C10
Gene No.	5029	Strand	-
Start	16198	End	16353
Name	OJ990823_14.9C23.C10.o1.ts	Method	TBLASTX:Soybean
Start	2443	End	2838
GI	none	Score	145
Exons	2443..2802, 2471..2686, 2494..2802, 2726..2821, 2806..2838, 2806..2838		

Seq. No.	2404	Seq. ID	OJ990823_14.9C23.C10
Gene No.	5029	Strand	-
Start	16198	End	16353
Name	OJ990823_14.9C23.C10.o3.tm	Method	TBLASTX:Maize
Start	2725	End	3192
GI	none	Score	49
Exons	2725..3192, 2770..2883, 2944..3120		

Seq. No.	2404	Seq. ID	OJ990823_14.9C23.C10
Gene No.	5029	Strand	-
Start	16198	End	16353
Name	OJ990823_14.9C23.C10.o4.tw	Method	TBLASTX:Wheat
Start	2779	End	3262
GI	none	Score	166
Exons	2779..3261, 2788..3180, 2807..3262		

Seq. No.	2404	Seq. ID	OJ990823_14.9C23.C10
Gene No.	5029	Strand	-
Start	16198	End	16353
Name	OJ990823_14.9C23.C10.o8.tw	Method	TBLASTX:Wheat
Start	3409	End	3808
GI	none	Score	84
Exons	3409..3573, 3458..3577, 3598..3807, 3653..3808		

Seq. No.	2404	Seq. ID	OJ990823_14.9C23.C10
Gene No.	5029	Strand	-
Start	16198	End	16353
Name	OJ990823_14.9C23.C10.o9.tm	Method	TBLASTX:Maize
Start	3490	End	3814
GI	none	Score	66
Exons	3490..3813, 3701..3814		

Seq. No.	2404	Seq. ID	OJ990823_14.9C23.C10
Gene No.	5029	Strand	-
Start	16198	End	16353
Name	OJ990823_14.9C23.C10.o7.tm	Method	TBLASTX:Maize
Start	4123	End	4524
GI	none	Score	240
Exons	4123..4524		

Seq. No.	2404	Seq. ID	OJ990823_14.9C23.C10
Gene No.	5029	Strand	-

Start	16198	End	16353
Name	OJ990823_14.9C23.C10.o9.tw	Method	TBLASTX:Wheat
Start	4405	End	4765
GI	none	Score	60
Exons	4405..4764, 4664..4765		

Seq. No.	2404	Seq. ID	OJ990823_14.9C23.C10
Gene No.	5029	Strand	-
Start	16198	End	16353
Name	OJ990823_14.9C23.C10.o8.tm	Method	TBLASTX:Maize
Start	10265	End	10555
GI	none	Score	41
Exons	10265..10363, 10284..10376, 10358..10555, 10361..10555		

Seq. No.	2404	Seq. ID	OJ990823_14.9C23.C10
Gene No.	5029	Strand	-
Start	16198	End	16353
Name	OJ990823_14.9C23.C10.o7.tw	Method	TBLASTX:Wheat
Start	10634	End	11002
GI	none	Score	321
Exons	10634..11002		

Seq. No.	2404	Seq. ID	OJ990823_14.9C23.C10
Gene No.	5029	Strand	-
Start	16198	End	16353
Name	OJ990823_14.9C23.C10.o6.tm	Method	TBLASTX:Maize
Start	10727	End	11095
GI	none	Score	73
Exons	10727..10813, 10737..10808, 10823..11095		

Seq. No.	2404	Seq. ID	OJ990823_14.9C23.C10
Gene No.	5029	Strand	-
Start	16198	End	16353
Name	OJ990823_14.9C23.C10.o5.gs	Method	GENSCAN
Start	16198	End	16353
GI	none	Score	.52
Exons	16198..16353		

Seq. No.	2405	Seq. ID	OJ990823_14.9C23.C12
Gene No.	5030	Strand	+
Start	372	End	389
Name	OJ990823_14.9C23.C12.o1.gs	Method	GENSCAN
Start	372	End	389
GI	none	Score	.73
Exons	372..389		

Seq. No.	2406	Seq. ID	OJ990823_14.9C23.C13
Gene No.	5031	Strand	-
Start	372	End	576
Name	OJ990823_14.9C23.C13.o1.gs	Method	GENSCAN
Start	372	End	576
GI	none	Score	.68
Exons	372..576		

Seq. No.	2407	Seq. ID	OJ990823_14.9C23.C15
Gene No.	5032	Strand	-
Start	1	End	753

Name	OJ990823_14.9C23.C15.o1.np	Method	AAT/NAP
Start	1	End	679
GI	6006359	Score	42
Exons	1..34, 595..679		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	2407	Seq. ID	OJ990823_14.9C23.C15
Gene No.	5032	Strand	-
Start	1	End	753
Name	OJ990823_14.9C23.C15.o1.gs	Method	GENSCAN
Start	475	End	753
GI	none	Score	.86
Exons	475..753		

Seq. No.	2408	Seq. ID	OJ990823_14.9C23.C16
Gene No.	5033	Strand	+
Start	80	End	160
Name	OJ990823_14.9C23.C16.o1.gs	Method	GENSCAN
Start	80	End	160
GI	none	Score	.9
Exons	80..160		

Seq. No.	2409	Seq. ID	OJ990823_14.9C23.C17
Gene No.	5034	Strand	+
Start	175	End	516
Name	OJ990823_14.9C23.C17.o1.np	Method	AAT/NAP
Start	175	End	516
GI	113666	Score	268
Exons	175..516		
GI Descrip.	**** ALU CLASS A WARNING ENTRY ****		

Seq. No.	2410	Seq. ID	OJ990713_04.9C17.C4
Gene No.	5035	Strand	-
Start	70	End	118
Name	OJ990713_04.9C17.C4.o1.gs	Method	GENSCAN
Start	70	End	118
GI	none	Score	.83
Exons	70..118		

Seq. No.	2411	Seq. ID	OJ990713_04.9C17.C5
Gene No.	5036	Strand	+
Start	394	End	566
Name	OJ990713_04.9C17.C5.o1.gs	Method	GENSCAN
Start	394	End	566
GI	none	Score	.72
Exons	394..566		

Seq. No.	2412	Seq. ID	OJ990713_04.9C17.C9
Gene No.	5037	Strand	-
Start	1	End	165
Name	OJ990713_04.9C17.C9.o1.gp	Method	AAT/GAP
Start	1	End	165
GI	7406_1.R1084	Score	269
Exons	1..165		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	2413	Seq. ID	OJ990713_04.9C17.C10
Gene No.	5038	Strand	-
Start	514	End	918
Name	OJ990713_04.9C17.C10.o1.gs	Method	GENSCAN
Start	514	End	918
GI	none	Score	.62
Exons	514..562, 860..918		

Seq. No.	2414	Seq. ID	OJ990713_04.9C17.C11
Gene No.	5039	Strand	+
Start	1084	End	1164
Name	OJ990713_04.9C17.C11.o1.gs	Method	GENSCAN
Start	1084	End	1164
GI	none	Score	.81
Exons	1084..1164		

Seq. No.	2415	Seq. ID	OJ990713_04.9C17.C12
Gene No.	5040	Strand	+
Start	112	End	327
Name	OJ990713_04.9C17.C12.o1.gs	Method	GENSCAN
Start	112	End	327
GI	none	Score	.55
Exons	112..327		

Seq. No.	2415	Seq. ID	OJ990713_04.9C17.C12
Gene No.	5041	Strand	-
Start	837	End	1784
Name	OJ990713_04.9C17.C12.o2.gs	Method	GENSCAN
Start	837	End	1784
GI	none	Score	.69
Exons	837..1078, 1715..1784		

Seq. No.	2416	Seq. ID	OJ990713_04.9C17.C15
Gene No.	5042	Strand	+
Start	1984	End	6115
Name	OJ990713_04.9C17.C15.o2.gs	Method	GENSCAN
Start	1984	End	6115
GI	none	Score	.45
Exons	1984..2040, 5281..5476, 5532..5648, 5858..5931, 5936..6115		

Seq. No.	2416	Seq. ID	OJ990713_04.9C17.C15
Gene No.	5043	Strand	-
Start	1	End	1193
Name	OJ990713_04.9C17.C15.o1.np	Method	AAT/NAP
Start	1	End	1193
GI	4581140	Score	240
Exons	1..30, 166..387, 481..677, 973..1193		
GI Descrip.	(AC006919) unknown protein [Arabidopsis thaliana]		

Seq. No.	2416	Seq. ID	OJ990713_04.9C17.C15
Gene No.	5043	Strand	-
Start	1	End	1193
Name	OJ990713_04.9C17.C15.o1.gs	Method	GENSCAN
Start	130	End	975
GI	none	Score	.91
Exons	130..407, 521..793, 897..975		

Seq. No.	2416	Seq. ID	OJ990713_04.9C17.C15
Gene No.	5043	Strand	-
Start	1	End	1193
Name	OJ990713_04.9C17.C15.o1.ts	Method	TBLASTX:Soybean
Start	212	End	665
GI	none	Score	157
Exons	212..370, 230..352, 232..372,	546..665	

Seq. No.	2416	Seq. ID	OJ990713_04.9C17.C15
Gene No.	5043	Strand	-
Start	1	End	1193
Name	OJ990713_04.9C17.C15.o2.tm	Method	TBLASTX:Maize
Start	212	End	378
GI	none	Score	158
Exons	212..364, 232..378		

Seq. No.	2416	Seq. ID	OJ990713_04.9C17.C15
Gene No.	5043	Strand	-
Start	1	End	1193
Name	OJ990713_04.9C17.C15.o1.tc	Method	TBLASTX:Cress
Start	230	End	369
GI	none	Score	65
Exons	230..367, 232..303, 232..369,	233..367	

Seq. No.	2416	Seq. ID	OJ990713_04.9C17.C15
Gene No.	5043	Strand	-
Start	1	End	1193
Name	OJ990713_04.9C17.C15.o1.tm	Method	TBLASTX:Maize
Start	546	End	979
GI	none	Score	139
Exons	546..668, 547..666, 719..784,	892..969,	892..969, 896..979

Seq. No.	2417	Seq. ID	OJ990713_04.9C17.C19
Gene No.	5044	Strand	+
Start	58	End	129
Name	OJ990713_04.9C17.C19.o1.gs	Method	GENSCAN
Start	58	End	129
GI	none	Score	.66
Exons	58..129		

Seq. No.	2418	Seq. ID	OJ990713_04.9C17.C20
Gene No.	5045	Strand	+
Start	1	End	1573
Name	OJ990713_04.9C17.C20.o2.np	Method	AAT/NAP
Start	1	End	1573
GI	6721516	Score	236
Exons	1..252, 1242..1573		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	2418	Seq. ID	OJ990713_04.9C17.C20
Gene No.	5046	Strand	-
Start	299	End	1462
Name	OJ990713_04.9C17.C20.o1.gs	Method	GENSCAN
Start	299	End	1462
GI	none	Score	.52
Exons	299..958, 1346..1462		

Seq. No.	2419	Seq. ID	OJ990713_04.9C17.C21
Gene No.	5047	Strand	+
Start	2070	End	5617
Name	OJ990713_04.9C17.C21.o1.np	Method	AAT/NAP
Start	2070	End	3728
GI	6682239	Score	423
Exons	2070..2260, 3220..3277, 3591..3728		
GI Descrip.	(AC016661) putative MYB-related protein [Arabidopsis thaliana]		

Seq. No.	2419	Seq. ID	OJ990713_04.9C17.C21
Gene No.	5047	Strand	+
Start	2070	End	5617
Name	OJ990713_04.9C17.C21.o1.gs	Method	GENSCAN
Start	2100	End	5617
GI	none	Score	.8
Exons	2100..2260, 3220..3277, 3591..3714, 4569..4678, 4942..5001, 5491..5617		

Seq. No.	2419	Seq. ID	OJ990713_04.9C17.C21
Gene No.	5047	Strand	+
Start	2070	End	5617
Name	OJ990713_04.9C17.C21.o1.tm	Method	TBLASTX:Maize
Start	3582	End	4188
GI	none	Score	114
Exons	3582..3653, 3582..3713, 3593..3712, 3828..3896, 3831..3866, 3872..3955, 3873..3977, 3873..3977, 3874..3978, 4062..4166, 4062..4184, 4063..4188, 4063..4185		

Seq. No.	2419	Seq. ID	OJ990713_04.9C17.C21
Gene No.	5047	Strand	+
Start	2070	End	5617
Name	OJ990713_04.9C17.C21.o2.np	Method	AAT/NAP
Start	4571	End	5000
GI	6907099	Score	177
Exons	4571..4678, 4942..5000		
GI Descrip.	(AP001129) Similar to Arabidopsis thaliana DNA chromosome 4, ESSA I contig fragment No. 6, membrane protein homolog. (Z97341) [Oryza sativa]		

Seq. No.	2420	Seq. ID	OJ990713_04.9C17.C22
Gene No.	5048	Strand	+
Start	209	End	671
Name	OJ990713_04.9C17.C22.o1.gp	Method	AAT/GAP
Start	209	End	671
GI	2800473	Score	708
Exons	209..671		

Seq. No.	2421	Seq. ID	OJ990713_04.9C17.C23
Gene No.	5049	Strand	+
Start	2	End	1918
Name	OJ990713_04.9C17.C23.o1.np	Method	AAT/NAP
Start	2	End	1730
GI	6358779	Score	692
Exons	2..326, 448..578, 1500..1730		
GI Descrip.	(AC010852) unknown protein [Arabidopsis thaliana]		

Seq. No.	2421	Seq. ID	OJ990713_04.9C17.C23

Gene No.	5049	Strand	+
Start	2	End	1918
Name	OJ990713_04.9C17.C23.o1.gs	Method	GENSCAN
Start	23	End	1733
GI	none	Score	.99
Exons	23..326, 448..578, 1500..1733		

Seq. No.	2421	Seq. ID	OJ990713_04.9C17.C23
Gene No.	5049	Strand	+
Start	2	End	1918
Name	OJ990713_04.9C17.C23.o1.gp	Method	AAT/GAP
Start	495	End	1918
GI	78950_1.R1084	Score	926
Exons	495..578, 1500..1918		
GI Descrip.	'2191141 2.0e-14 (AF007269) A_IG002N01.21 gene product [Arabidopsis thaliana]'		

Seq. No.	2421	Seq. ID	OJ990713_04.9C17.C23
Gene No.	5050	Strand	-
Start	2226	End	10613
Name	OJ990713_04.9C17.C23.o3.tm	Method	TBLASTX:Maize
Start	218	End	1732
GI	none	Score	64
Exons	218..250, 296..328, 406..537, 443..547, 447..548, 521..583, 525..581, 1470..1730, 1496..1732, 1499..1732		

Seq. No.	2421	Seq. ID	OJ990713_04.9C17.C23
Gene No.	5050	Strand	-
Start	2226	End	10613
Name	OJ990713_04.9C17.C23.o6.ts	Method	TBLASTX:Soybean
Start	218	End	536
GI	none	Score	63
Exons	218..250, 296..328, 443..535, 447..536		

Seq. No.	2421	Seq. ID	OJ990713_04.9C17.C23
Gene No.	5050	Strand	-
Start	2226	End	10613
Name	OJ990713_04.9C17.C23.o4.tc	Method	TBLASTX:Cress
Start	218	End	1568
GI	none	Score	63
Exons	218..250, 296..328, 443..583, 447..581, 450..587, 1479..1568, 1499..1567		

Seq. No.	2421	Seq. ID	OJ990713_04.9C17.C23
Gene No.	5050	Strand	-
Start	2226	End	10613
Name	OJ990713_04.9C17.C23.o3.ts	Method	TBLASTX:Soybean
Start	1499	End	1727
GI	none	Score	315
Exons	1499..1723, 1500..1727, 1500..1724		

Seq. No.	2421	Seq. ID	OJ990713_04.9C17.C23
Gene No.	5050	Strand	-
Start	2226	End	10613
Name	OJ990713_04.9C17.C23.o2.gs	Method	GENSCAN
Start	2226	End	10313
GI	none	Score	.54

Exons	2226..2228, 2291..4304, 4454..4491, 4866..5063, 5355..5420, 5787..5900, 6952..7044, 7126..7188, 7602..7715, 7862..7960, 8129..8194, 9210..9305, 9382..9466, 9592..9739, 10253..10313		
Seq. No.	2421	Seq. ID	OJ990713_04.9C17.C23
Gene No.	5050	Strand	-
Start	2226	End	10613
Name	OJ990713_04.9C17.C23.o1.tm	Method	TBLASTX:Maize
Start	2420	End	4006
GI	none	Score	106
Exons	2420..2878, 2580..2864, 2798..3166, 2841..3047, 2871..3161, 2873..3439, 2873..3181, 2915..3052, 3074..3178, 3105..3179, 3200..3481, 3237..3428, 3245..3487, 3246..3353, 3248..3358, 3500..3715, 3506..3682, 3545..3706, 3632..4006, 3677..3994, 3707..3877, 3757..3924, 3779..3931, 3914..4006		
Seq. No.	2421	Seq. ID	OJ990713_04.9C17.C23
Gene No.	5050	Strand	-
Start	2226	End	10613
Name	OJ990713_04.9C17.C23.o1.ts	Method	TBLASTX:Soybean
Start	2423	End	2854
GI	none	Score	131
Exons	2423..2854, 2427..2747, 2591..2779		
Seq. No.	2421	Seq. ID	OJ990713_04.9C17.C23
Gene No.	5050	Strand	-
Start	2226	End	10613
Name	OJ990713_04.9C17.C23.o5.tc	Method	TBLASTX:Cress
Start	2429	End	2758
GI	none	Score	61
Exons	2429..2758, 2640..2756		
Seq. No.	2421	Seq. ID	OJ990713_04.9C17.C23
Gene No.	5050	Strand	-
Start	2226	End	10613
Name	OJ990713_04.9C17.C23.o1.tw	Method	TBLASTX:Wheat
Start	2738	End	4000
GI	none	Score	60
Exons	2738..2878, 2879..3169, 3197..3484, 3491..3733, 3650..3868, 3908..4000		
Seq. No.	2421	Seq. ID	OJ990713_04.9C17.C23
Gene No.	5050	Strand	-
Start	2226	End	10613
Name	OJ990713_04.9C17.C23.o2.tc	Method	TBLASTX:Cress
Start	2759	End	4000
GI	none	Score	96
Exons	2759..3181, 2787..3074, 2798..3109, 2942..3166, 3104..3484, 3152..3319, 3191..3409, 3197..3439, 3500..3730, 3506..3829, 3692..3991, 3701..4000		
Seq. No.	2421	Seq. ID	OJ990713_04.9C17.C23
Gene No.	5050	Strand	-
Start	2226	End	10613
Name	OJ990713_04.9C17.C23.o5.ts	Method	TBLASTX:Soybean
Start	2894	End	4171
GI	none	Score	99

Exons	2894..3022, 2942..3169, 3191..3316, 3248..3481, 3509..3847, 3527..3793, 3624..3842, 3767..3994, 3774..3962, 4010..4171		
Seq. No.	2421	Seq. ID	OJ990713_04.9C17.C23
Gene No.	5050	Strand	-
Start	2226	End	10613
Name	OJ990713_04.9C17.C23.o2.gp	Method	AAT/GAP
Start	4802	End	5407
GI	5003204	Score	661
Exons	4802..5106, 5355..5407		
GI Descrip.	2191141 2.0e-14 (AF007269) A_IG002N01.21 gene product [Arabidopsis thaliana]		
Seq. No.	2421	Seq. ID	OJ990713_04.9C17.C23
Gene No.	5050	Strand	-
Start	2226	End	10613
Name	OJ990713_04.9C17.C23.o4.tm	Method	TBLASTX:Maize
Start	4979	End	5408
GI	none	Score	115
Exons	4979..5110, 4981..5115, 4987..5115, 4992..5120, 4998..5120, 5353..5406, 5353..5400, 5355..5408		
Seq. No.	2421	Seq. ID	OJ990713_04.9C17.C23
Gene No.	5050	Strand	-
Start	2226	End	10613
Name	OJ990713_04.9C17.C23.o2.np	Method	AAT/NAP
Start	4993	End	10607
GI	2191141	Score	1037
Exons	4993..5106, 5325..5420, 5504..5575, 6952..7044, 7126..7188, 7282..7392, 7602..7715, 7862..7960, 8129..8194, 9651..9741, 10579..10607		
GI Descrip.	(AF007269) A_IG002N01.21 gene product [Arabidopsis thaliana]		
Seq. No.	2421	Seq. ID	OJ990713_04.9C17.C23
Gene No.	5050	Strand	-
Start	2226	End	10613
Name	OJ990713_04.9C17.C23.o2.ts	Method	TBLASTX:Soybean
Start	4993	End	7707
GI	none	Score	77
Exons	4993..5115, 5042..5107, 5353..5424, 5355..5432, 5504..5575, 5505..5597, 5787..5879, 5788..5907, 6937..7047, 6959..7045, 7126..7188, 7127..7189, 7271..7381, 7282..7383, 7283..7384, 7599..7706, 7600..7707		
Seq. No.	2421	Seq. ID	OJ990713_04.9C17.C23
Gene No.	5050	Strand	-
Start	2226	End	10613
Name	OJ990713_04.9C17.C23.o1.tc	Method	TBLASTX:Cress
Start	5844	End	9272
GI	none	Score	65
Exons	5844..5879, 5854..5898, 5873..5923, 6937..7047, 6956..7045, 7126..7188, 7127..7189, 7282..7401, 7283..7390, 7599..7724, 7603..7716, 7866..7961, 7866..7958, 8118..8198, 8129..8197, 9207..9272, 9211..9270		
Seq. No.	2421	Seq. ID	OJ990713_04.9C17.C23
Gene No.	5050	Strand	-

Start	2226	End	10613
Name	OJ990713_04.9C17.C23.o5.tm	Method	TBLASTX:Maize
Start	7316	End	9267
GI	none	Score	78
Exons	7316..7381, 7318..7380, 7599..7724, 7602..7646, 7603..7713, 7603..7728, 7863..7961, 7863..7961, 7876..7962, 8118..8198, 8129..8197, 8131..8199, 9207..9266, 9211..9267		

Seq. No.	2421	Seq. ID	OJ990713_04.9C17.C23
Gene No.	5050	Strand	-
Start	2226	End	10613
Name	OJ990713_04.9C17.C23.o4.ts	Method	TBLASTX:Soybean
Start	7863	End	9817
GI	none	Score	42
Exons	7863..7898, 7896..7961, 8118..8198, 8129..8197, 9185..9313, 9207..9350, 9211..9336, 9379..9468, 9382..9468, 9383..9469, 9583..9741, 9588..9740, 9776..9817		

Seq. No.	2421	Seq. ID	OJ990713_04.9C17.C23
Gene No.	5050	Strand	-
Start	2226	End	10613
Name	OJ990713_04.9C17.C23.o2.tm	Method	TBLASTX:Maize
Start	9268	End	10613
GI	none	Score	50
Exons	9268..9306, 9269..9313, 9366..9461, 9379..9468, 9382..9468, 9582..9740, 9588..9737, 10575..10613		

Seq. No.	2421	Seq. ID	OJ990713_04.9C17.C23
Gene No.	5050	Strand	-
Start	2226	End	10613
Name	OJ990713_04.9C17.C23.o3.tc	Method	TBLASTX:Cress
Start	9379	End	9741
GI	none	Score	74
Exons	9379..9468, 9379..9468, 9567..9737, 9588..9740, 9592..9741		

Seq. No.	2421	Seq. ID	OJ990713_04.9C17.C23
Gene No.	5050	Strand	-
Start	2226	End	10613
Name	OJ990713_04.9C17.C23.o3.gp	Method	AAT/GAP
Start	9591	End	9750
GI	2312417	Score	246
Exons	9591..9750		

Seq. No.	2422	Seq. ID	OJ990713_04.9C17.C24
Gene No.	5051	Strand	+
Start	1641	End	4061
Name	OJ990713_04.9C17.C24.o1.np	Method	AAT/NAP
Start	1641	End	3677
GI	5257270	Score	730
Exons	1641..1756, 2059..2374, 2402..2506, 3458..3677		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		

Seq. No.	2422	Seq. ID	OJ990713_04.9C17.C24
Gene No.	5051	Strand	+
Start	1641	End	4061
Name	OJ990713_04.9C17.C24.o3.gs	Method	GENSCAN
Start	2788	End	3855

GI	none	Score	.62
Exons	2788..2945, 3277..3855		

Seq. No.	2422	Seq. ID	OJ990713_04.9C17.C24
Gene No.	5051	Strand	+
Start	1641	End	4061
Name	OJ990713_04.9C17.C24.o2.np	Method	AAT/NAP
Start	3755	End	4061
GI	5257269	Score	296
Exons	3755..4061		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		

Seq. No.	2422	Seq. ID	OJ990713_04.9C17.C24
Gene No.	5052	Strand	-
Start	26	End	426
Name	OJ990713_04.9C17.C24.o1.gs	Method	GENSCAN
Start	26	End	426
GI	none	Score	.71
Exons	26..184, 301..426		

Seq. No.	2422	Seq. ID	OJ990713_04.9C17.C24
Gene No.	5053	Strand	-
Start	2112	End	2474
Name	OJ990713_04.9C17.C24.o2.gs	Method	GENSCAN
Start	2112	End	2474
GI	none	Score	.93
Exons	2112..2474		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5054	Strand	+
Start	65	End	6108
Name	OJ990713_04.9C17.C29.o1.gs	Method	GENSCAN
Start	65	End	5830
GI	none	Score	.51
Exons	65..343, 398..2411, 2787..2937, 3043..3379, 3464..3874, 3968..4266, 4343..4601, 4694..4876, 4942..4979, 5070..5201, 5265..5312, 5317..5519, 5670..5830		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5054	Strand	+
Start	65	End	6108
Name	OJ990713_04.9C17.C29.o1.np	Method	AAT/NAP
Start	236	End	5551
GI	5441880	Score	4697
Exons	236..1241, 1686..1717, 1976..2291, 2787..2937, 3043..3379, 3968..4266, 4343..4601, 4846..4919, 4956..4979, 5070..5201, 5317..5551		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5054	Strand	+
Start	65	End	6108
Name	OJ990713_04.9C17.C29.o1.gp	Method	AAT/GAP
Start	840	End	1271
GI	5701669	Score	841

Exons	840..1271
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5054	Strand	+
Start	65	End	6108
Name	OJ990713_04.9C17.C29.o2.gp	Method	AAT/GAP
Start	4094	End	4593
GI	LIB3475-007-P1-K1-G8	Score	793
Exons	4094..4266, 4343..4593		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5054	Strand	+
Start	65	End	6108
Name	OJ990713_04.9C17.C29.o3.gp	Method	AAT/GAP
Start	5655	End	6108
GI	LIB3431-045-P1-N1-A10	Score	876
Exons	5655..6108		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5055	Strand	-
Start	5255	End	6471
Name	OJ990713_04.9C17.C29.o2.np	Method	AAT/NAP
Start	5255	End	6471
GI	6721543	Score	80
Exons	5255..5295, 5614..5689, 6343..6471		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5055	Strand	-
Start	5255	End	6471
Name	OJ990713_04.9C17.C29.o4.gp	Method	AAT/GAP
Start	6051	End	6457
GI	7406_1.R1084	Score	669
Exons	6051..6457		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-
Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o5.tm	Method	TBLASTX:Maize
Start	797	End	1393
GI	none	Score	93
Exons	797..925, 805..903, 959..1258, 976..1197, 1322..1393		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-
Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o2.tw	Method	TBLASTX:Wheat

Start	1091	End	1471
GI	none	Score	208
Exons	1091..1285, 1100..1297, 1291..1410, 1295..1471, 1295..1441		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-
Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o2.gs	Method	GENSCAN
Start	7018	End	11051
GI	none	Score	.79
Exons	7018..7060, 7846..7967, 8031..8258, 9737..9912, 10060..10087, 10569..11051		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-
Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o2.tm	Method	TBLASTX:Maize
Start	7657	End	10986
GI	none	Score	48
Exons	7657..7698, 7662..7703, 7709..7783, 7721..7783, 7797..8258, 7798..8229, 7798..8259, 8144..8260, 10566..10979, 10566..10985, 10567..10986		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-
Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o1.tc	Method	TBLASTX:Cress
Start	7818	End	10992
GI	none	Score	430
Exons	7818..8258, 7819..8229, 7945..8259, 7946..8260, 10566..10730, 10566..10985, 10567..10992		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-
Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o3.np	Method	AAT/NAP
Start	7818	End	16038
GI	4836876	Score	1200
Exons	7818..8258, 10569..11000, 15973..16038		
GI Descrip.	(AC007260) Similar to dTDP-D-glucose 4,6-dehydratase [Arabidopsis thaliana]		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-
Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o1.ts	Method	TBLASTX:Soybean
Start	7820	End	10979
GI	none	Score	483
Exons	7820..8254, 7821..8258, 7822..8229, 7822..8259, 7823..8263, 10558..10974, 10560..10979, 10566..10976		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-
Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o5.gp	Method	AAT/GAP
Start	8174	End	11168
GI	21674_1.R1084	Score	1277

Exons	8174..8258, 10569..11168		
GI Descrip.	'5734633/dbj|BAA83364.1| 1.0e-18 (AP000391) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F7H19 (AL031018) [Oryza sativa]'		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-
Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o1.tw	Method	TBLASTX:Wheat
Start	8193	End	10866
GI	none	Score	80
Exons	8193..8258, 10556..10594, 10566..10703, 10566..10865, 10567..10866		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-
Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o3.gs	Method	GENSCAN
Start	12428	End	17629
GI	none	Score	.56
Exons	12428..12543, 14026..14131, 14577..14637, 15555..15602, 15672..16644, 16835..16936, 16972..17481, 17563..17629		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-
Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o5.tw	Method	TBLASTX:Wheat
Start	12760	End	14474
GI	none	Score	55
Exons	12760..13152, 14424..14474		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-
Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o4.np	Method	AAT/NAP
Start	13187	End	13750
GI	4581111	Score	208
Exons	13187..13750		
GI Descrip.	(AC005825) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-
Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o4.tw	Method	TBLASTX:Wheat
Start	13544	End	13766
GI	none	Score	125
Exons	13544..13750, 13590..13751, 13590..13766		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-
Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o10.tm	Method	TBLASTX:Maize
Start	14024	End	14570
GI	none	Score	126
Exons	14024..14344, 14367..14570		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-
Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o6.np	Method	AAT/NAP
Start	15503	End	18627
GI	4903018	Score	1262
Exons	15503..15554, 15672..16644, 16835..17423, 18450..18627		
GI Descrip.	(AB027507) ACE [Arabidopsis thaliana]		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-
Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o2.tc	Method	TBLASTX:Cress
Start	15525	End	16547
GI	none	Score	38
Exons	15525..15557, 15653..15700, 15666..15704, 15698..15724, 15699..15725, 15791..15844, 15804..15845, 15962..16261, 16313..16369, 16352..16546, 16494..16547		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-
Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o2.ts	Method	TBLASTX:Soybean
Start	15647	End	16150
GI	none	Score	80
Exons	15647..15871, 15666..15731, 15668..15748, 15798..15854, 15887..16150, 15891..16142		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-
Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o6.tm	Method	TBLASTX:Maize
Start	15653	End	15871
GI	none	Score	72
Exons	15653..15871, 15666..15731, 15798..15854		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-
Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o7.tm	Method	TBLASTX:Maize
Start	15890	End	16234
GI	none	Score	131
Exons	15890..16234, 15987..16226		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-
Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o3.ts	Method	TBLASTX:Soybean
Start	16151	End	17002
GI	none	Score	96
Exons	16151..16282, 16170..16259, 16304..16642, 16314..16637, 16866..17000, 16880..17002		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-
Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o3.tm	Method	TBLASTX:Maize

Start	16313	End	17422
GI	none	Score	69
Exons	16313..16639, 16314..16463, 16494..16637, 16889..17275, 16890..17273, 17363..17422, 17370..17396		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-
Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o6.tc	Method	TBLASTX:Cress
Start	16547	End	17101
GI	none	Score	191
Exons	16547..16615, 16872..17099, 16880..17101		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-
Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o9.ts	Method	TBLASTX:Soybean
Start	17003	End	17201
GI	none	Score	105
Exons	17003..17140, 17004..17141, 17147..17200, 17148..17201		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-
Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o3.tc	Method	TBLASTX:Cress
Start	17123	End	17465
GI	none	Score	142
Exons	17123..17464, 17124..17465		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-
Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o7.ts	Method	TBLASTX:Soybean
Start	17201	End	17471
GI	none	Score	110
Exons	17201..17470, 17202..17471		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-
Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o6.gp	Method	AAT/GAP
Start	18509	End	19338
GI	3764144	Score	1182
Exons	18509..18961, 19061..19194, 19295..19338		
GI Descrip.	5002516/emb|CAB44319.1| 7.0e-44 (AL078606) putative protein [Arabidopsis thaliana]		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-
Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o4.tc	Method	TBLASTX:Cress
Start	18693	End	19154
GI	none	Score	242
Exons	18693..18962, 18712..18969, 19059..19154, 19060..19119		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-

Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o4.tm	Method	TBLASTX:Maize
Start	18693	End	19359
GI	none	Score	135
Exons	18693..18962, 18709..18810, 18723..18962, 18724..18969, 18875..18973, 19059..19196, 19060..19209, 19060..19197, 19294..19359, 19295..19357		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-
Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o4.gs	Method	GENSCAN
Start	18723	End	24770
GI	none	Score	.8
Exons	18723..18961, 19061..19194, 19295..19664, 19774..20078, 20221..20675, 20766..20870, 20985..21126, 21155..21294, 21405..21525, 23751..23899, 24593..24668, 24673..24770		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-
Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o8.ts	Method	TBLASTX:Soybean
Start	18723	End	18966
GI	none	Score	199
Exons	18723..18962, 18730..18966		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-
Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o7.np	Method	AAT/NAP
Start	18726	End	21943
GI	5002516	Score	2142
Exons	18726..18961, 19061..19194, 19295..19681, 19774..20078, 20221..20675, 20766..20870, 20985..21294, 21405..21525, 21891..21943		
GI Descrip.	(AL078606) putative protein [Arabidopsis thaliana]		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-
Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o4.ts	Method	TBLASTX:Soybean
Start	19291	End	20098
GI	none	Score	51
Exons	19291..19344, 19294..19374, 19295..19372, 19345..19494, 19345..19545, 19346..19537, 19385..19561, 19778..20083, 19824..20081, 19832..20098		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-
Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o9.tm	Method	TBLASTX:Maize
Start	19396	End	19624
GI	none	Score	148
Exons	19396..19545, 19397..19624		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-

Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o3.tw	Method	TBLASTX:Wheat
Start	19820	End	20280
GI	none	Score	251
Exons	19820..20089, 19824..20078, 20214..20279, 20215..20280		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-
Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o5.tc	Method	TBLASTX:Cress
Start	19821	End	20405
GI	none	Score	54
Exons	19821..19889, 19823..19888, 19844..19882, 19922..19951, 19925..19999, 19952..19999, 19956..20000, 19994..20083, 19995..20078, 20005..20091, 20005..20100, 20214..20405, 20215..20403		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-
Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o8.tm	Method	TBLASTX:Maize
Start	19898	End	20358
GI	none	Score	167
Exons	19898..19948, 19946..20089, 19947..20075, 19963..20082, 19964..20086, 20214..20357, 20215..20358		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-
Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o5.ts	Method	TBLASTX:Soybean
Start	20253	End	20499
GI	none	Score	264
Exons	20253..20498, 20257..20499		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-
Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o1.tm	Method	TBLASTX:Maize
Start	20358	End	21955
GI	none	Score	51
Exons	20358..20552, 20361..20462, 20362..20535, 20526..20678, 20536..20676, 20537..20677, 20764..20871, 20765..20872, 20766..20870, 20984..21124, 20985..21131, 20986..21135, 21123..21170, 21172..21294, 21188..21301, 21377..21523, 21386..21523, 21396..21524, 21887..21955, 21888..21953		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-
Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o6.ts	Method	TBLASTX:Soybean
Start	20526	End	21170
GI	none	Score	100
Exons	20526..20678, 20796..20870, 20985..21131, 20985..21131, 20986..21135, 21123..21170		

Seq. No.	2423	Seq. ID	OJ990713_04.9C17.C29
Gene No.	5056	Strand	-

Start	7018	End	24770
Name	OJ990713_04.9C17.C29.o7.gp	Method	AAT/GAP
Start	21240	End	22098
GI	3764143	Score	712
Exons	21240..21294, 21405..21525, 21891..22098		
GI Descrip.	5734633/dbj|BAA83364.1| 1.0e-18 (AP000391) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F7H19 (AL031018) [Oryza sativa]		

Seq. No.	2424	Seq. ID	OJ990713_04.9C17.C30
Gene No.	5057	Strand	-
Start	1746	End	1846
Name	OJ990713_04.9C17.C30.o1.gs	Method	GENSCAN
Start	1746	End	1846
GI	none	Score	.53
Exons	1746..1846		

Seq. No.	2425	Seq. ID	OJ990713_04.9C17.C31
Gene No.	5058	Strand	-
Start	447	End	1319
Name	OJ990713_04.9C17.C31.o1.gs	Method	GENSCAN
Start	447	End	1319
GI	none	Score	.44
Exons	447..553, 860..881, 1175..1319		

Seq. No.	2426	Seq. ID	OJ990713_04.9C17.C32
Gene No.	5059	Strand	+
Start	1	End	625
Name	OJ990713_04.9C17.C32.o1.np	Method	AAT/NAP
Start	1	End	625
GI	4903018	Score	395
Exons	1..625		
GI Descrip.	(AB027507) ACE [Arabidopsis thaliana]		

Seq. No.	2426	Seq. ID	OJ990713_04.9C17.C32
Gene No.	5059	Strand	+
Start	1	End	625
Name	OJ990713_04.9C17.C32.o1.tm	Method	TBLASTX:Maize
Start	15	End	419
GI	none	Score	422
Exons	15..419, 26..403		

Seq. No.	2426	Seq. ID	OJ990713_04.9C17.C32
Gene No.	5059	Strand	+
Start	1	End	625
Name	OJ990713_04.9C17.C32.o1.ts	Method	TBLASTX:Soybean
Start	15	End	425
GI	none	Score	388
Exons	15..425, 26..421		

Seq. No.	2426	Seq. ID	OJ990713_04.9C17.C32
Gene No.	5059	Strand	+
Start	1	End	625
Name	OJ990713_04.9C17.C32.o1.gs	Method	GENSCAN
Start	71	End	493
GI	none	Score	.76
Exons	71..420, 474..493		

Seq. No.	2426	Seq. ID	OJ990713_04.9C17.C32
Gene No.	5059	Strand	+
Start	1	End	625
Name	OJ990713_04.9C17.C32.o1.tc	Method	TBLASTX:Cress
Start	113	End	422
GI	none	Score	336
Exons	113..421, 114..422		

Seq. No.	2427	Seq. ID	OJ990713_04.9C17.C35
Gene No.	5060	Strand	+
Start	4520	End	5707
Name	OJ990713_04.9C17.C35.o2.gs	Method	GENSCAN
Start	4520	End	5707
GI	none	Score	.56
Exons	4520..4539, 5166..5308, 5640..5707		

Seq. No.	2427	Seq. ID	OJ990713_04.9C17.C35
Gene No.	5061	Strand	+
Start	6050	End	7670
Name	OJ990713_04.9C17.C35.o2.np	Method	AAT/NAP
Start	6050	End	7670
GI	4928397	Score	168
Exons	6050..6131, 7416..7670		
GI Descrip.	(AF132013) RING-H2 zinc finger protein ATL3 [Arabidopsis thaliana] gi|6730770|gb|AAF27159.1|AC016529_22 (AC016529) RING-H2 zinc finger protein (ATL3) [Arabidopsis thaliana]		

Seq. No.	2427	Seq. ID	OJ990713_04.9C17.C35
Gene No.	5061	Strand	+
Start	6050	End	7670
Name	OJ990713_04.9C17.C35.o3.gs	Method	GENSCAN
Start	6479	End	7619
GI	none	Score	.95
Exons	6479..6504, 7259..7619		

Seq. No.	2427	Seq. ID	OJ990713_04.9C17.C35
Gene No.	5062	Strand	-
Start	74	End	4028
Name	OJ990713_04.9C17.C35.o1.gs	Method	GENSCAN
Start	74	End	4001
GI	none	Score	.77
Exons	74..133, 754..879, 1195..1650, 1751..1981, 2327..2446, 2554..2674, 3544..4001		

Seq. No.	2427	Seq. ID	OJ990713_04.9C17.C35
Gene No.	5062	Strand	-
Start	74	End	4028
Name	OJ990713_04.9C17.C35.o1.np	Method	AAT/NAP
Start	1531	End	4028
GI	3695059	Score	750
Exons	1531..1650, 1751..1981, 2327..2446, 2554..2674, 3544..3790, 3857..4028		
GI Descrip.	(AF064787) rac GTPase activating protein 1 [Lotus japonicus]		

Seq. No.	2427	Seq. ID	OJ990713_04.9C17.C35
Gene No.	5063	Strand	-

Start	5841	End	5990
Name	OJ990713_04.9C17.C35.o1.tm	Method	TBLASTX:Maize
Start	1499	End	3753
GI	none	Score	174
Exons	1499..1651, 1501..1653, 1505..1651, 1552..1665, 1748..1981, 1750..1983, 1755..1985, 1765..1986, 2308..2448, 2319..2447, 2321..2449, 2553..2675, 2554..2676, 2561..2677, 3570..3668, 3570..3668, 3595..3669, 3724..3753		

Seq. No.	2427	Seq. ID	OJ990713_04.9C17.C35
Gene No.	5063	Strand	-
Start	5841	End	5990
Name	OJ990713_04.9C17.C35.o1.ts	Method	TBLASTX:Soybean
Start	1550	End	2392
GI	none	Score	115
Exons	1550..1651, 1552..1665, 1555..1665, 1748..1930, 1748..1981, 1752..1982, 2321..2392		

Seq. No.	2427	Seq. ID	OJ990713_04.9C17.C35
Gene No.	5063	Strand	-
Start	5841	End	5990
Name	OJ990713_04.9C17.C35.o1.tw	Method	TBLASTX:Wheat
Start	1558	End	1966
GI	none	Score	88
Exons	1558..1665, 1559..1651, 1748..1957, 1748..1966, 1755..1964		

Seq. No.	2427	Seq. ID	OJ990713_04.9C17.C35
Gene No.	5063	Strand	-
Start	5841	End	5990
Name	OJ990713_04.9C17.C35.o1.tc	Method	TBLASTX:Cress
Start	1748	End	2667
GI	none	Score	147
Exons	1748..1957, 1748..1981, 1750..1983, 1752..1985, 2310..2447, 2321..2449, 2554..2667, 2561..2665		

Seq. No.	2427	Seq. ID	OJ990713_04.9C17.C35
Gene No.	5063	Strand	-
Start	5841	End	5990
Name	OJ990713_04.9C17.C35.o3.ts	Method	TBLASTX:Soybean
Start	2393	End	3669
GI	none	Score	64
Exons	2393..2449, 2394..2444, 2551..2676, 2552..2668, 3570..3668, 3591..3668, 3595..3669		

Seq. No.	2427	Seq. ID	OJ990713_04.9C17.C35
Gene No.	5063	Strand	-
Start	5841	End	5990
Name	OJ990713_04.9C17.C35.o1.gp	Method	AAT/GAP
Start	5841	End	5990
GI	286806	Score	233
Exons	5841..5990		
GI Descrip.	5441872/dbj|AP000366.1|AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)		

Seq. No.	2427	Seq. ID	OJ990713_04.9C17.C35
Gene No.	5064	Strand	
Start	7404	End	7589

Name	OJ990713_04.9C17.C35.o2.ts	Method	TBLASTX:Soybean
Start	7404	End	7577
GI	none	Score	205
Exons	7404..7577, 7415..7555, 7473..7559		

Seq. No.	2427	Seq. ID	OJ990713_04.9C17.C35
Gene No.	5064	Strand	
Start	7404	End	7589
Name	OJ990713_04.9C17.C35.o2.tc	Method	TBLASTX:Cress
Start	7410	End	7564
GI	none	Score	181
Exons	7410..7559, 7418..7564		

Seq. No.	2427	Seq. ID	OJ990713_04.9C17.C35
Gene No.	5064	Strand	
Start	7404	End	7589
Name	OJ990713_04.9C17.C35.o2.tw	Method	TBLASTX:Wheat
Start	7418	End	7568
GI	none	Score	174
Exons	7418..7567, 7419..7568		

Seq. No.	2427	Seq. ID	OJ990713_04.9C17.C35
Gene No.	5064	Strand	
Start	7404	End	7589
Name	OJ990713_04.9C17.C35.o2.tm	Method	TBLASTX:Maize
Start	7427	End	7589
GI	none	Score	197
Exons	7427..7588, 7428..7589		

Seq. No.	2428	Seq. ID	OJ990713_04.9C17.C36
Gene No.	5065	Strand	+
Start	1	End	2103
Name	OJ990713_04.9C17.C36.o1.np	Method	AAT/NAP
Start	1	End	2100
GI	5882733	Score	1132
Exons	1..94, 735..2100		
GI Descrip.	(AC008263) Contains a PF|01535 DUF17 domain. [Arabidopsis thaliana] gi|6646774|gb|AAF21086.1|AC013258_24 (AC013258) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2428	Seq. ID	OJ990713_04.9C17.C36
Gene No.	5065	Strand	+
Start	1	End	2103
Name	OJ990713_04.9C17.C36.o1.gs	Method	GENSCAN
Start	529	End	2103
GI	none	Score	.96
Exons	529..2103		

Seq. No.	2428	Seq. ID	OJ990713_04.9C17.C36
Gene No.	5065	Strand	+
Start	1	End	2103
Name	OJ990713_04.9C17.C36.o1.tc	Method	TBLASTX:Cress
Start	1177	End	1854
GI	none	Score	95
Exons	1177..1416, 1198..1353, 1240..1386, 1423..1506, 1426..1683, 1429..1632, 1441..1788, 1456..1671, 1468..1611, 1491..1763, 1525..1842, 1567..1725, 1623..1784, 1630..1854		

Seq. No.	2428	Seq. ID	OJ990713_04.9C17.C36
Gene No.	5065	Strand	+
Start	1	End	2103
Name	OJ990713_04.9C17.C36.o1.tm	Method	TBLASTX:Maize
Start	1192	End	1932
GI	none	Score	108
Exons	1192..1386, 1206..1340, 1216..1425, 1228..1413, 1429..1749, 1434..1559, 1438..1848, 1440..1844, 1453..1845, 1473..1748, 1537..1848, 1636..1848, 1641..1841, 1858..1932		

Seq. No.	2428	Seq. ID	OJ990713_04.9C17.C36
Gene No.	5065	Strand	+
Start	1	End	2103
Name	OJ990713_04.9C17.C36.o1.ts	Method	TBLASTX:Soybean
Start	1216	End	1902
GI	none	Score	99
Exons	1216..1353, 1429..1539, 1462..1518, 1470..1505, 1475..1612, 1494..1538, 1501..1644, 1509..1643, 1540..1683, 1647..1784, 1648..1788, 1651..1788, 1720..1902, 1729..1848, 1734..1892		

Seq. No.	2429	Seq. ID	OJ990713_04.9C17.C37
Gene No.	5066	Strand	+
Start	10	End	1356
Name	OJ990713_04.9C17.C37.o1.np	Method	AAT/NAP
Start	10	End	1356
GI	5922634	Score	116
Exons	10..109, 1334..1356		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	2429	Seq. ID	OJ990713_04.9C17.C37
Gene No.	5066	Strand	+
Start	10	End	1356
Name	OJ990713_04.9C17.C37.o1.gs	Method	GENSCAN
Start	11	End	109
GI	none	Score	.56
Exons	11..109		

Seq. No.	2430	Seq. ID	OJ990713_04.9C17.C39
Gene No.	5067	Strand	+
Start	134	End	1011
Name	OJ990713_04.9C17.C39.o1.gs	Method	GENSCAN
Start	134	End	1011
GI	none	Score	.58
Exons	134..334, 391..553, 555..700, 767..1011		

Seq. No.	2431	Seq. ID	OJ990713_02.9C10.C3
Gene No.	5068	Strand	+
Start	1162	End	12247
Name	OJ990713_02.9C10.C3.o1.gs	Method	GENSCAN
Start	1162	End	12247
GI	none	Score	.59
Exons	1162..1172, 1225..1346, 1352..2014, 2096..2814, 4932..5030, 6224..6369, 7397..7533, 9142..9325, 9447..9616, 9725..11157, 12113..12247		

Seq. No.	2431	Seq. ID	OJ990713_02.9C10.C3
Gene No.	5069	Strand	-
Start	11298	End	11481
Name	OJ990713_02.9C10.C3.o2.tm	Method	TBLASTX:Maize
Start	10066	End	10418
GI	none	Score	90
Exons	10066..10164, 10071..10145, 10167..10406, 10168..10404, 10170..10418		

Seq. No.	2431	Seq. ID	OJ990713_02.9C10.C3
Gene No.	5069	Strand	-
Start	11298	End	11481
Name	OJ990713_02.9C10.C3.o1.tm	Method	TBLASTX:Maize
Start	10518	End	11001
GI	none	Score	107
Exons	10518..10610, 10537..10611, 10610..10669, 10612..10683, 10675..10746, 10679..10744, 10692..10775, 10743..10835, 10774..10836, 10777..10842, 10846..10944, 10853..10966, 10855..10941, 10856..10966, 10909..11001, 10945..10998, 10947..11000		

Seq. No.	2431	Seq. ID	OJ990713_02.9C10.C3
Gene No.	5069	Strand	-
Start	11298	End	11481
Name	OJ990713_02.9C10.C3.o1.gp	Method	AAT/GAP
Start	11298	End	11481
GI	3106504	Score	300
Exons	11298..11481		

Seq. No.	2432	Seq. ID	OJ990713_02.9C10.C4
Gene No.	5070	Strand	+
Start	2321	End	3114
Name	OJ990713_02.9C10.C4.o1.gp	Method	AAT/GAP
Start	2321	End	2788
GI	54497_1.R1084	Score	839
Exons	2321..2788		
GI Descrip.	'4099921 2.0e-10 (U91982) EREBP-3 homolog [Stylosanthes hamata]'		

Seq. No.	2432	Seq. ID	OJ990713_02.9C10.C4
Gene No.	5070	Strand	+
Start	2321	End	3114
Name	OJ990713_02.9C10.C4.o1.np	Method	AAT/NAP
Start	2364	End	3114
GI	4099921	Score	361
Exons	2364..2420, 2512..3114		
GI Descrip.	(U91982) EREBP-3 homolog [Stylosanthes hamata]		

Seq. No.	2432	Seq. ID	OJ990713_02.9C10.C4
Gene No.	5071	Strand	+
Start	6533	End	8612
Name	OJ990713_02.9C10.C4.o2.gs	Method	GENSCAN
Start	6533	End	8597
GI	none	Score	.72
Exons	6533..6552, 7635..7707, 7807..7896, 8148..8354, 8411..8597		

Seq. No.	2432	Seq. ID	OJ990713_02.9C10.C4

Gene No.	5071	Strand	+
Start	6533	End	8612
Name	OJ990713_02.9C10.C4.o2.np	Method	AAT/NAP
Start	7750	End	8612
GI	5042454	Score	444
Exons	7750..7900, 8248..8354, 8411..8612		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	2432	Seq. ID	OJ990713_02.9C10.C4
Gene No.	5072	Strand	-
Start	2805	End	3424
Name	OJ990713_02.9C10.C4.o2.tm	Method	TBLASTX:Maize
Start	2396	End	2688
GI	none	Score	40
Exons	2396..2419, 2397..2432, 2404..2436, 2470..2604, 2508..2582, 2511..2657, 2512..2688		

Seq. No.	2432	Seq. ID	OJ990713_02.9C10.C4
Gene No.	5072	Strand	-
Start	2805	End	3424
Name	OJ990713_02.9C10.C4.o1.tw	Method	TBLASTX:Wheat
Start	2400	End	2688
GI	none	Score	57
Exons	2400..2438, 2401..2439, 2476..2601, 2511..2582, 2511..2657, 2512..2688		

Seq. No.	2432	Seq. ID	OJ990713_02.9C10.C4
Gene No.	5072	Strand	-
Start	2805	End	3424
Name	OJ990713_02.9C10.C4.o1.tc	Method	TBLASTX:Cress
Start	2511	End	2685
GI	none	Score	200
Exons	2511..2609, 2512..2685		

Seq. No.	2432	Seq. ID	OJ990713_02.9C10.C4
Gene No.	5072	Strand	-
Start	2805	End	3424
Name	OJ990713_02.9C10.C4.o1.ts	Method	TBLASTX:Soybean
Start	2511	End	2685
GI	none	Score	64
Exons	2511..2582, 2511..2609, 2512..2685		

Seq. No.	2432	Seq. ID	OJ990713_02.9C10.C4
Gene No.	5072	Strand	-
Start	2805	End	3424
Name	OJ990713_02.9C10.C4.o1.tm	Method	TBLASTX:Maize
Start	2739	End	2969
GI	none	Score	123
Exons	2739..2825, 2740..2826, 2860..2967, 2862..2969		

Seq. No.	2432	Seq. ID	OJ990713_02.9C10.C4
Gene No.	5072	Strand	-
Start	2805	End	3424
Name	OJ990713_02.9C10.C4.o2.gp	Method	AAT/GAP
Start	2805	End	3424
GI	none	Score	1105
Exons	2805..3424		

Seq. No.	2433	Seq. ID	OJ990713_02.9C10.C5
Gene No.	5073	Strand	+
Start	1	End	2673
Name	OJ990713_02.9C10.C5.o1.np	Method	AAT/NAP
Start	1	End	2661
GI	5042454	Score	1368
Exons	1..486, 878..1064, 1212..1594, 2179..2206, 2432..2661		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	2433	Seq. ID	OJ990713_02.9C10.C5
Gene No.	5073	Strand	+
Start	1	End	2673
Name	OJ990713_02.9C10.C5.o1.tm	Method	TBLASTX:Maize
Start	344	End	487
GI	none	Score	184
Exons	344..487, 349..483		

Seq. No.	2433	Seq. ID	OJ990713_02.9C10.C5
Gene No.	5073	Strand	+
Start	1	End	2673
Name	OJ990713_02.9C10.C5.o1.gp	Method	AAT/GAP
Start	627	End	1092
GI	2428323	Score	670
Exons	627..1092		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	2433	Seq. ID	OJ990713_02.9C10.C5
Gene No.	5073	Strand	+
Start	1	End	2673
Name	OJ990713_02.9C10.C5.o1.tw	Method	TBLASTX:Wheat
Start	1403	End	1699
GI	none	Score	277
Exons	1403..1699, 1480..1695		

Seq. No.	2433	Seq. ID	OJ990713_02.9C10.C5
Gene No.	5073	Strand	+
Start	1	End	2673
Name	OJ990713_02.9C10.C5.o2.gp	Method	AAT/GAP
Start	2466	End	2673
GI	uC-osflcyp172a09a1	Score	368
Exons	2466..2673		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 1.0e-35 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	2434	Seq. ID	OJ990713_02.9C10.C6
Gene No.	5074	Strand	+
Start	1	End	2956
Name	OJ990713_02.9C10.C6.o1.np	Method	AAT/NAP
Start	1	End	2956
GI	5042454	Score	67
Exons	1..78, 2924..2956		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	2434	Seq. ID	OJ990713_02.9C10.C6
Gene No.	5075	Strand	-

Start	327	End	1888
Name	OJ990713_02.9C10.C6.o1.gs	Method	GENSCAN
Start	327	End	1888
GI	none	Score	.63
Exons	327..584, 1759..1888		

Seq. No.	2435	Seq. ID	OJ990713_02.9C10.C8
Gene No.	5076	Strand	+
Start	83	End	229
Name	OJ990713_02.9C10.C8.o1.gs	Method	GENSCAN
Start	83	End	229
GI	none	Score	.91
Exons	83..229		

Seq. No.	2435	Seq. ID	OJ990713_02.9C10.C8
Gene No.	5077	Strand	+
Start	17567	End	25240
Name	OJ990713_02.9C10.C8.o3.gs	Method	GENSCAN
Start	17567	End	25240
GI	none	Score	.65
Exons	17567..18485, 18651..19087, 19272..19900, 20087..20474, 20643..21263, 21305..21412, 21465..21905, 21950..21996, 22088..22728, 22933..23073, 23178..23598, 23902..23986, 24446..24611, 24754..24855, 25110..25240		

Seq. No.	2435	Seq. ID	OJ990713_02.9C10.C8
Gene No.	5077	Strand	+
Start	17567	End	25240
Name	OJ990713_02.9C10.C8.o2.np	Method	AAT/NAP
Start	20652	End	23740
GI	5902445	Score	2928
Exons	20652..22414, 22454..23740		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	2435	Seq. ID	OJ990713_02.9C10.C8
Gene No.	5078	Strand	-
Start	2150	End	17360
Name	OJ990713_02.9C10.C8.o2.gs	Method	GENSCAN
Start	2150	End	17360
GI	none	Score	.7
Exons	2150..2270, 2533..2605, 2682..2769, 3015..3149, 3388..3448, 3518..3673, 3705..3860, 3942..4063, 4151..4240, 4331..4561, 4624..4707, 4937..5113, 5189..5494, 5747..5905, 6014..6147, 6517..6706, 6818..6970, 7462..7592, 7696..7840, 7908..8036, 8321..8512, 8584..8662, 8755..8885, 9065..9241, 10009..10098, 11255..11349, 11421..11757, 12579..12717, 14650..15045, 15749..16225, 16630..16737, 16844..16958, 17132..17360		

Seq. No.	2435	Seq. ID	OJ990713_02.9C10.C8
Gene No.	5078	Strand	-
Start	2150	End	17360
Name	OJ990713_02.9C10.C8.o1.np	Method	AAT/NAP
Start	2156	End	11683
GI	6807671	Score	1562
Exons	2156..2270, 2533..2605, 2682..2769, 3015..3149, 3388..3448, 3518..3625, 3705..3879, 4192..4540, 4854..5231, 5307..5494, 5747..5905, 6014..6147, 6517..6706, 6818..6970, 7462..7592,		

7696..7840, 7908..8015, 8342..8662, 8755..8885, 9065..9241,
9327..9428, 10009..10098, 11255..11383, 11501..11683
GI Descrip. (AL136877) hypothetical protein [Homo sapiens]

Seq. No.	2435	Seq. ID	OJ990713_02.9C10.C8
Gene No.	5079	Strand	-
Start	25266	End	25875
Name	OJ990713_02.9C10.C8.o6.tm	Method	TBLASTX:Maize
Start	2069	End	3080
GI	none	Score	52
Exons	2069..2095, 2070..2114, 2107..2262, 2110..2262, 2114..2320, 2135..2278, 2516..2605, 2533..2631, 2533..2604, 2535..2606, 2681..2770, 2682..2753, 2683..2754, 2683..2772, 2684..2770, 2988..3056, 3016..3057, 3045..3080		

Seq. No.	2435	Seq. ID	OJ990713_02.9C10.C8
Gene No.	5079	Strand	-
Start	25266	End	25875
Name	OJ990713_02.9C10.C8.o1.tm	Method	TBLASTX:Maize
Start	3093	End	4182
GI	none	Score	75
Exons	3093..3185, 3098..3139, 3382..3450, 3389..3451, 3389..3451, 3517..3624, 3518..3628, 3519..3626, 3701..3859, 3701..3889, 3702..3890, 3941..4066, 3941..4066, 3943..4068, 4149..4181, 4150..4182		

Seq. No.	2435	Seq. ID	OJ990713_02.9C10.C8
Gene No.	5079	Strand	-
Start	25266	End	25875
Name	OJ990713_02.9C10.C8.o4.tm	Method	TBLASTX:Maize
Start	4183	End	5071
GI	none	Score	66
Exons	4183..4242, 4184..4243, 4184..4243, 4298..4402, 4325..4546, 4332..4538, 4335..4553, 4411..4548, 4453..4554, 4571..4711, 4623..4715, 4624..4707, 4936..5049, 4937..5071, 4937..5062		

Seq. No.	2435	Seq. ID	OJ990713_02.9C10.C8
Gene No.	5079	Strand	-
Start	25266	End	25875
Name	OJ990713_02.9C10.C8.o2.ts	Method	TBLASTX:Soybean
Start	5993	End	6149
GI	none	Score	148
Exons	5993..6148, 6012..6149		

Seq. No.	2435	Seq. ID	OJ990713_02.9C10.C8
Gene No.	5079	Strand	-
Start	25266	End	25875
Name	OJ990713_02.9C10.C8.o7.tm	Method	TBLASTX:Maize
Start	16440	End	16758
GI	none	Score	119
Exons	16440..16604, 16462..16605, 16494..16604, 16625..16741, 16636..16758		

Seq. No.	2435	Seq. ID	OJ990713_02.9C10.C8
Gene No.	5079	Strand	-
Start	25266	End	25875
Name	OJ990713_02.9C10.C8.o8.tw	Method	TBLASTX:Wheat

Start	19007	End	19367
GI	none	Score	130
Exons	19007..19183, 19197..19367		

Seq. No.	2435	Seq. ID	OJ990713_02.9C10.C8
Gene No.	5079	Strand	-
Start	25266	End	25875
Name	OJ990713_02.9C10.C8.o3.tw	Method	TBLASTX:Wheat
Start	19950	End	20405
GI	none	Score	123
Exons	19950..20132, 20169..20405, 20171..20287		

Seq. No.	2435	Seq. ID	OJ990713_02.9C10.C8
Gene No.	5079	Strand	-
Start	25266	End	25875
Name	OJ990713_02.9C10.C8.o1.tw	Method	TBLASTX:Wheat
Start	20597	End	21053
GI	none	Score	539
Exons	20597..21052, 20598..21053		

Seq. No.	2435	Seq. ID	OJ990713_02.9C10.C8
Gene No.	5079	Strand	-
Start	25266	End	25875
Name	OJ990713_02.9C10.C8.o4.ts	Method	TBLASTX:Soybean
Start	20637	End	21002
GI	none	Score	99
Exons	20637..20861, 20868..21002		

Seq. No.	2435	Seq. ID	OJ990713_02.9C10.C8
Gene No.	5079	Strand	-
Start	25266	End	25875
Name	OJ990713_02.9C10.C8.o2.tm	Method	TBLASTX:Maize
Start	20727	End	21062
GI	none	Score	383
Exons	20727..21062, 20769..21032, 20789..21061		

Seq. No.	2435	Seq. ID	OJ990713_02.9C10.C8
Gene No.	5079	Strand	-
Start	25266	End	25875
Name	OJ990713_02.9C10.C8.o5.tm	Method	TBLASTX:Maize
Start	21081	End	21464
GI	none	Score	307
Exons	21081..21464, 21236..21463		

Seq. No.	2435	Seq. ID	OJ990713_02.9C10.C8
Gene No.	5079	Strand	-
Start	25266	End	25875
Name	OJ990713_02.9C10.C8.o2.tw	Method	TBLASTX:Wheat
Start	21138	End	21562
GI	none	Score	457
Exons	21138..21560, 21139..21294, 21141..21419, 21236..21562		

Seq. No.	2435	Seq. ID	OJ990713_02.9C10.C8
Gene No.	5079	Strand	-
Start	25266	End	25875
Name	OJ990713_02.9C10.C8.o1.ts	Method	TBLASTX:Soybean
Start	21192	End	21617

GI	none	Score	295
Exons	21192..21617		

Seq. No.	2435	Seq. ID	OJ990713_02.9C10.C8
Gene No.	5079	Strand	-
Start	25266	End	25875
Name	OJ990713_02.9C10.C8.o6.tw	Method	TBLASTX:Wheat
Start	21707	End	22115
GI	none	Score	182
Exons	21707..21934, 21708..21929, 21942..22115, 22040..22114		

Seq. No.	2435	Seq. ID	OJ990713_02.9C10.C8
Gene No.	5079	Strand	-
Start	25266	End	25875
Name	OJ990713_02.9C10.C8.o3.ts	Method	TBLASTX:Soybean
Start	21831	End	22214
GI	none	Score	83
Exons	21831..21929, 21963..22214		

Seq. No.	2435	Seq. ID	OJ990713_02.9C10.C8
Gene No.	5079	Strand	-
Start	25266	End	25875
Name	OJ990713_02.9C10.C8.o7.tw	Method	TBLASTX:Wheat
Start	22118	End	22412
GI	none	Score	217
Exons	22118..22408, 22119..22412		

Seq. No.	2435	Seq. ID	OJ990713_02.9C10.C8
Gene No.	5079	Strand	-
Start	25266	End	25875
Name	OJ990713_02.9C10.C8.o3.tm	Method	TBLASTX:Maize
Start	22617	End	22922
GI	none	Score	332
Exons	22617..22922, 22634..22921		

Seq. No.	2435	Seq. ID	OJ990713_02.9C10.C8
Gene No.	5079	Strand	-
Start	25266	End	25875
Name	OJ990713_02.9C10.C8.o4.tw	Method	TBLASTX:Wheat
Start	22617	End	23000
GI	none	Score	352
Exons	22617..23000, 22625..22999		

Seq. No.	2435	Seq. ID	OJ990713_02.9C10.C8
Gene No.	5079	Strand	-
Start	25266	End	25875
Name	OJ990713_02.9C10.C8.o5.tw	Method	TBLASTX:Wheat
Start	23124	End	23731
GI	none	Score	92
Exons	23124..23201, 23165..23575, 23272..23379, 23603..23731, 23605..23730		

Seq. No.	2435	Seq. ID	OJ990713_02.9C10.C8
Gene No.	5079	Strand	-
Start	25266	End	25875
Name	OJ990713_02.9C10.C8.o8.tm	Method	TBLASTX:Maize
Start	23450	End	23695

GI	none	Score	134
Exons	23450..23611, 23503..23610, 23605..23661, 23612..23695		

Seq. No.	2435	Seq. ID	OJ990713_02.9C10.C8
Gene No.	5079	Strand	-
Start	25266	End	25875
Name	OJ990713_02.9C10.C8.o3.np	Method	AAT/NAP
Start	25266	End	25875
GI	6721561	Score	564
Exons	25266..25875		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2435	Seq. ID	OJ990713_02.9C10.C8
Gene No.	5079	Strand	-
Start	25266	End	25875
Name	OJ990713_02.9C10.C8.o4.gs	Method	GENSCAN
Start	25333	End	25777
GI	none	Score	.69
Exons	25333..25572, 25584..25777		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5080	Strand	+
Start	29	End	5658
Name	OJ990713_02.9C10.C9.o1.gs	Method	GENSCAN
Start	29	End	5658
GI	none	Score	.55
Exons	29..56, 80..124, 176..532, 640..1640, 1692..2051, 2142..2934, 3099..3874, 3908..4195, 4267..5658		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5080	Strand	+
Start	29	End	5658
Name	OJ990713_02.9C10.C9.o1.np	Method	AAT/NAP
Start	194	End	5655
GI	6498441	Score	7019
Exons	194..1257, 1588..2051, 2115..2488, 2672..2806, 2980..3703, 3875..5280, 5374..5655		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5081	Strand	+
Start	13563	End	16218
Name	OJ990713_02.9C10.C9.o4.gs	Method	GENSCAN
Start	13563	End	16029
GI	none	Score	.9
Exons	13563..14169, 15119..15758, 15804..16029		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5081	Strand	+
Start	13563	End	16218
Name	OJ990713_02.9C10.C9.o1.gp	Method	AAT/GAP

Start	13738	End	15171
GI	26397_1.R1084	Score	873
Exons	13738..14169, 15119..15171		
GI Descrip.	'4235430 1.0e-18 (AF098458) latex-abundant protein [Hevea brasiliensis]'		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5081	Strand	+
Start	13563	End	16218
Name	OJ990713_02.9C10.C9.o2.gp	Method	AAT/GAP
Start	15480	End	15861
GI	2280771	Score	546
Exons	15480..15778, 15838..15861		
GI Descrip.	4235430 1.0e-18 (AF098458) latex-abundant protein [Hevea brasiliensis]		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5081	Strand	+
Start	13563	End	16218
Name	OJ990713_02.9C10.C9.o3.gp	Method	AAT/GAP
Start	15801	End	16218
GI	20402_1.R1084	Score	719
Exons	15801..16218		
GI Descrip.	'4235430 7.0e-19 (AF098458) latex-abundant protein [Hevea brasiliensis]'		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5082	Strand	+
Start	16656	End	17972
Name	OJ990713_02.9C10.C9.o5.gs	Method	GENSCAN
Start	16656	End	17972
GI	none	Score	.99
Exons	16656..17007, 17050..17972		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5083	Strand	+
Start	19701	End	21834
Name	OJ990713_02.9C10.C9.o4.np	Method	AAT/NAP
Start	19701	End	21834
GI	129915	Score	1636
Exons	19701..20129, 20429..20506, 20592..20852, 21004..21320, 21460..21834		
GI Descrip.	PHOSPHOGLYCERATE KINASE, CHLOROPLAST PRECURSOR gi|66912|pir||TVWTGC phosphoglycerate kinase (EC 2.7.2.3) precursor, chloroplast - wheat gi|21833|emb|CAA33303| (X15233) phosphoglycerate kinase (AA 1 - 480) [Triticum aestivum] gi|3293043|emb|CAA51931| (X73528) phosphoglycerate kinase [Triticum aestivum]		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5083	Strand	+
Start	19701	End	21834
Name	OJ990713_02.9C10.C9.o7.gs	Method	GENSCAN
Start	19701	End	21618
GI	none	Score	.86
Exons	19701..20129, 20592..20852, 21004..21142, 21241..21320, 21460..21618		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5083	Strand	+
Start	19701	End	21834
Name	OJ990713_02.9C10.C9.o4.gp	Method	AAT/GAP
Start	20060	End	21626
GI	1131_1.R1084	Score	1582
Exons	20060..20129, 20429..20506, 20592..20852, 21004..21320, 21460..21626		
GI Descrip.	'129915/sp|P12782|PGKH_WHEAT 0.0e+00 PHOSPHOGLYCERATE KINASE, CHLOROPLAST PRECURSOR >gi_66912_pir__TVWTGC phosphoglycerate kinase (EC 2.7.2.3) precursor, chloroplast - wheat >gi_21833_emb_CAA33303_ (X15233) phosphoglycerate kinase (AA 1 - 480) [Triticum aestivum] >gi_3293043_emb_CAA51931_ (X73528) phosphoglycerate kinase [Triticum aestivum]'		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5084	Strand	-
Start	6278	End	13186
Name	OJ990713_02.9C10.C9.o2.gs	Method	GENSCAN
Start	6278	End	9487
GI	none	Score	.5
Exons	6278..6670, 6740..7635, 7707..8122, 8226..8394, 8422..9487		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5084	Strand	-
Start	6278	End	13186
Name	OJ990713_02.9C10.C9.o2.np	Method	AAT/NAP
Start	6281	End	9487
GI	6907089	Score	4233
Exons	6281..8122, 8226..9487		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5084	Strand	-
Start	6278	End	13186
Name	OJ990713_02.9C10.C9.o3.np	Method	AAT/NAP
Start	9307	End	12042
GI	6721558	Score	248
Exons	9307..9502, 11104..11244, 11943..12042		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5084	Strand	-
Start	6278	End	13186
Name	OJ990713_02.9C10.C9.o3.gs	Method	GENSCAN
Start	10087	End	13186
GI	none	Score	.77
Exons	10087..10109, 10333..10565, 10732..10790, 10861..11007, 11120..11244, 11321..11576, 11593..11785, 11943..12044, 12313..12427, 12601..12712, 13178..13186		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5085	Strand	-
Start	18335	End	21627

Name	OJ990713_02.9C10.C9.o9.tw	Method	TBLASTX:Wheat
Start	307	End	734
GI	none	Score	51
Exons	307..390, 397..495, 414..494, 478..543, 545..700, 546..734		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5085	Strand	-
Start	18335	End	21627
Name	OJ990713_02.9C10.C9.o4.tw	Method	TBLASTX:Wheat
Start	1472	End	1958
GI	none	Score	407
Exons	1472..1645, 1473..1958, 1667..1927		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5085	Strand	-
Start	18335	End	21627
Name	OJ990713_02.9C10.C9.o6.tm	Method	TBLASTX:Maize
Start	1508	End	18826
GI	none	Score	66
Exons	1508..1609, 1922..1966, 1987..2073, 2119..2184, 4229..4357, 16423..16494, 16539..16607, 18313..18390, 18314..18391, 18319..18438, 18402..18728, 18403..18573, 18453..18692, 18631..18729, 18749..18826		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5085	Strand	-
Start	18335	End	21627
Name	OJ990713_02.9C10.C9.o1.tw	Method	TBLASTX:Wheat
Start	2123	End	2585
GI	none	Score	565
Exons	2123..2578, 2124..2585, 2163..2579		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5085	Strand	-
Start	18335	End	21627
Name	OJ990713_02.9C10.C9.o5.ts	Method	TBLASTX:Soybean
Start	2163	End	2528
GI	none	Score	110
Exons	2163..2387, 2394..2528		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5085	Strand	-
Start	18335	End	21627
Name	OJ990713_02.9C10.C9.o3.tm	Method	TBLASTX:Maize
Start	2253	End	2609
GI	none	Score	384
Exons	2253..2609, 2288..2599, 2493..2609		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5085	Strand	-
Start	18335	End	21627
Name	OJ990713_02.9C10.C9.o5.tm	Method	TBLASTX:Maize
Start	2636	End	3019
GI	none	Score	275
Exons	2636..2920, 2637..2921, 2909..3019		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9

Gene No.	5085	Strand	-
Start	18335	End	21627
Name	OJ990713_02.9C10.C9.o3.tw	Method	TBLASTX:Wheat
Start	2693	End	3112
GI	none	Score	277
Exons	2693..2923, 2694..2924, 2906..3112, 2930..3085, 2932..3087		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5085	Strand	-
Start	18335	End	21627
Name	OJ990713_02.9C10.C9.o4.ts	Method	TBLASTX:Soybean
Start	2772	End	3142
GI	none	Score	158
Exons	2772..2915, 2789..2914, 2912..3142		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5085	Strand	-
Start	18335	End	21627
Name	OJ990713_02.9C10.C9.o8.tw	Method	TBLASTX:Wheat
Start	3551	End	4009
GI	none	Score	237
Exons	3551..3772, 3575..3799, 3637..3816, 3860..4009, 3869..3994, 3871..4008		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5085	Strand	-
Start	18335	End	21627
Name	OJ990713_02.9C10.C9.o4.tm	Method	TBLASTX:Maize
Start	4525	End	4857
GI	none	Score	372
Exons	4525..4848, 4554..4835, 4645..4857		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5085	Strand	-
Start	18335	End	21627
Name	OJ990713_02.9C10.C9.o6.tw	Method	TBLASTX:Wheat
Start	4662	End	5043
GI	none	Score	378
Exons	4662..5012, 4663..5043		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5085	Strand	-
Start	18335	End	21627
Name	OJ990713_02.9C10.C9.o7.tw	Method	TBLASTX:Wheat
Start	5044	End	5646
GI	none	Score	275
Exons	5044..5328, 5049..5327, 5431..5490, 5520..5639, 5521..5646		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5085	Strand	-
Start	18335	End	21627
Name	OJ990713_02.9C10.C9.o2.ts	Method	TBLASTX:Soybean
Start	13696	End	21627
GI	none	Score	63
Exons	13696..13758, 13741..13824, 19787..19810, 19916..20137, 19917..20138, 20428..20523, 20429..20509, 20589..20852, 20591..20665, 20600..20854, 20732..20854, 20969..21091,		

21001..21252, 21003..21254, 21003..21251, 21237..21323,
21242..21322, 21412..21618, 21449..21604, 21457..21627,
21459..21626

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5085	Strand	-
Start	18335	End	21627
Name	OJ990713_02.9C10.C9.o2.tw	Method	TBLASTX:Wheat
Start	13702	End	17257
GI	none	Score	37
Exons	13702..13755, 13811..14167, 13814..13894, 13824..14168, 15115..15207, 15117..15275, 15118..15276, 15123..15257, 16655..16930, 16656..16937, 16971..17003, 16973..17005, 17091..17168, 17092..17169, 17094..17228, 17114..17257		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5085	Strand	-
Start	18335	End	21627
Name	OJ990713_02.9C10.C9.o2.tm	Method	TBLASTX:Maize
Start	13811	End	17609
GI	none	Score	571
Exons	13811..14167, 13818..14168, 15115..15198, 15116..15226, 15118..15297, 15123..15296, 15225..15377, 15271..15333, 15298..15411, 15376..15636, 15438..15635, 15633..15710, 15634..15705, 15699..15773, 15700..15768, 16649..16918, 16650..16937, 16665..16928, 16971..17003, 16973..17005, 17091..17186, 17094..17228, 17114..17257, 17438..17599, 17442..17609		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5085	Strand	-
Start	18335	End	21627
Name	OJ990713_02.9C10.C9.o1.ts	Method	TBLASTX:Soybean
Start	13829	End	17978
GI	none	Score	456
Exons	13829..14179, 13830..14174, 15117..15239, 15118..15243, 15313..15411, 15391..15480, 15441..15626, 15469..15657, 15633..15713, 15634..15714, 15718..15774, 15801..15839, 15802..15840, 15856..16029, 15858..16028, 16664..16918, 16665..16937, 16971..17012, 16973..17011, 17094..17219, 17123..17218, 17439..17468, 17456..17593, 17457..17603, 17712..17780, 17796..17840, 17832..17978		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5085	Strand	-
Start	18335	End	21627
Name	OJ990713_02.9C10.C9.o2.tc	Method	TBLASTX:Cress
Start	13829	End	17222
GI	none	Score	333
Exons	13829..14098, 13830..14114, 14138..14179, 14139..14174, 15117..15242, 15118..15282, 15271..15414, 15454..15552, 16664..17011, 16665..17012, 17094..17222, 17114..17215		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5085	Strand	-
Start	18335	End	21627
Name	OJ990713_02.9C10.C9.o3.tc	Method	TBLASTX:Cress

Start	15559	End	17975
GI	none	Score	96
Exons	15559..15627, 15625..15690, 15703..15768, 15801..15839, 15802..15843, 15856..16032, 15858..16028, 17481..17603, 17714..17752, 17715..17783, 17832..17975, 17838..17975		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5085	Strand	-
Start	18335	End	21627
Name	OJ990713_02.9C10.C9.o7.tm	Method	TBLASTX:Maize
Start	15801	End	17990
GI	none	Score	76
Exons	15801..15845, 15802..15849, 15849..16025, 15850..16029, 15856..16026, 15857..16033, 15867..16031, 15938..16033, 17720..17752, 17721..17789, 17789..17839, 17790..17843, 17841..17990, 17850..17981		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5085	Strand	-
Start	18335	End	21627
Name	OJ990713_02.9C10.C9.o3.ts	Method	TBLASTX:Soybean
Start	18313	End	18729
GI	none	Score	107
Exons	18313..18390, 18397..18573, 18402..18728, 18456..18686, 18631..18729		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5085	Strand	-
Start	18335	End	21627
Name	OJ990713_02.9C10.C9.o6.gs	Method	GENSCAN
Start	18335	End	18713
GI	none	Score	.86
Exons	18335..18442, 18456..18713		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5085	Strand	-
Start	18335	End	21627
Name	OJ990713_02.9C10.C9.o4.tc	Method	TBLASTX:Cress
Start	18337	End	18729
GI	none	Score	105
Exons	18337..18390, 18402..18728, 18403..18573, 18453..18701, 18631..18729		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5085	Strand	-
Start	18335	End	21627
Name	OJ990713_02.9C10.C9.o1.tc	Method	TBLASTX:Cress
Start	19916	End	21627
GI	none	Score	306
Exons	19916..20137, 19917..20138, 20428..20508, 20429..20509, 20585..20854, 20589..20852, 20608..20853, 20663..20854, 21001..21252, 21003..21248, 21231..21323, 21237..21323, 21457..21627, 21462..21626		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5085	Strand	-
Start	18335	End	21627

Name	OJ990713_02.9C10.C9.o1.tm	Method	TBLASTX:Maize
Start	19925	End	21627
GI	none	Score	307
Exons	19925..20176, 19926..20138, 20418..20507, 20428..20508, 20429..20509, 20581..20733, 20589..20852, 20591..20854, 20608..20853, 21001..21252, 21002..21253, 21003..21254, 21237..21323, 21242..21319, 21437..21625, 21457..21627, 21457..21624, 21462..21626		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5085	Strand	-
Start	18335	End	21627
Name	OJ990713_02.9C10.C9.o5.tw	Method	TBLASTX:Wheat
Start	21001	End	21293
GI	none	Score	360
Exons	21001..21252, 21001..21264, 21003..21254, 21237..21293, 21248..21292		

Seq. No.	2436	Seq. ID	OJ990713_02.9C10.C9
Gene No.	5085	Strand	-
Start	18335	End	21627
Name	OJ990713_02.9C10.C9.o10.tw	Method	TBLASTX:Wheat
Start	21457	End	21627
GI	none	Score	252
Exons	21457..21627, 21457..21618, 21462..21626		

Seq. No.	2437	Seq. ID	OJ990713_02.9C10.C11
Gene No.	5086	Strand	+
Start	56	End	769
Name	OJ990713_02.9C10.C11.o1.gs	Method	GENSCAN
Start	56	End	713
GI	none	Score	.56
Exons	56..109, 421..534, 588..713		

Seq. No.	2437	Seq. ID	OJ990713_02.9C10.C11
Gene No.	5086	Strand	+
Start	56	End	769
Name	OJ990713_02.9C10.C11.o1.np	Method	AAT/NAP
Start	274	End	769
GI	5042454	Score	221
Exons	274..534, 588..769		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	2438	Seq. ID	OJ990713_02.9C10.C12
Gene No.	5087	Strand	-
Start	275	End	537
Name	OJ990713_02.9C10.C12.o1.gs	Method	GENSCAN
Start	275	End	537
GI	none	Score	.51
Exons	275..537		

Seq. No.	2439	Seq. ID	OJ990423_03.9C03.C1
Gene No.	5088	Strand	+
Start	1	End	2014
Name	OJ990423_03.9C03.C1.o1.np	Method	AAT/NAP
Start	1	End	520
GI	6522541	Score	181

Exons	1..68, 163..520		
GI Descrip.	(AL132955) receptor-kinase like protein [Arabidopsis thaliana]		
Seq. No.	2439	Seq. ID	OJ990423_03.9C03.C1
Gene No.	5088	Strand	+
Start	1	End	2014
Name	OJ990423_03.9C03.C1.o1.gs	Method	GENSCAN
Start	163	End	2014
GI	none	Score	.43
Exons	163..382, 775..907, 1688..2014		
Seq. No.	2439	Seq. ID	OJ990423_03.9C03.C1
Gene No.	5089	Strand	+
Start	10466	End	11899
Name	OJ990423_03.9C03.C1.o2.np	Method	AAT/NAP
Start	10466	End	11899
GI	6815109	Score	411
Exons	10466..10560, 10630..10760, 10823..11899		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	2439	Seq. ID	OJ990423_03.9C03.C1
Gene No.	5090	Strand	-
Start	2070	End	14137
Name	OJ990423_03.9C03.C1.o1.tm	Method	TBLASTX:Maize
Start	161	End	452
GI	none	Score	175
Exons	161..364, 162..356, 348..452, 350..451		
Seq. No.	2439	Seq. ID	OJ990423_03.9C03.C1
Gene No.	5090	Strand	-
Start	2070	End	14137
Name	OJ990423_03.9C03.C1.o2.gs	Method	GENSCAN
Start	2070	End	14137
GI	none	Score	.48
Exons	2070..2261, 2448..2563, 3637..3988, 4099..4260, 4363..4407, 4575..4667, 6160..6246, 7921..8138, 8164..8247, 8381..8449, 8660..8748, 10517..10642, 10690..10765, 10951..11080, 11174..11244, 11270..11855, 13778..13968, 14131..14137		
Seq. No.	2439	Seq. ID	OJ990423_03.9C03.C1
Gene No.	5090	Strand	-
Start	2070	End	14137
Name	OJ990423_03.9C03.C1.o1.gp	Method	AAT/GAP
Start	8926	End	9034
GI	uC-osf1cyp088b12b1	Score	154
Exons	8926..9034		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	2440	Seq. ID	OJ990423_03.9C03.C4
Gene No.	5091	Strand	+
Start	867	End	3497
Name	OJ990423_03.9C03.C4.o1.gs	Method	GENSCAN
Start	867	End	3149
GI	none	Score	.78
Exons	867..1103, 1388..3149		

Seq. No.	2440	Seq. ID	OJ990423_03.9C03.C4
Gene No.	5091	Strand	+
Start	867	End	3497
Name	OJ990423_03.9C03.C4.o2.tw	Method	TBLASTX:Wheat
Start	1291	End	1677
GI	none	Score	354
Exons	1291..1677, 1302..1667, 1474..1674		

Seq. No.	2440	Seq. ID	OJ990423_03.9C03.C4
Gene No.	5091	Strand	+
Start	867	End	3497
Name	OJ990423_03.9C03.C4.o1.np	Method	AAT/NAP
Start	1297	End	3497
GI	6539553	Score	3749
Exons	1297..3497		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	2440	Seq. ID	OJ990423_03.9C03.C4
Gene No.	5091	Strand	+
Start	867	End	3497
Name	OJ990423_03.9C03.C4.o2.tm	Method	TBLASTX:Maize
Start	1426	End	1739
GI	none	Score	363
Exons	1426..1737, 1434..1739		

Seq. No.	2440	Seq. ID	OJ990423_03.9C03.C4
Gene No.	5091	Strand	+
Start	867	End	3497
Name	OJ990423_03.9C03.C4.o1.tm	Method	TBLASTX:Maize
Start	2238	End	2560
GI	none	Score	267
Exons	2238..2492, 2245..2559, 2265..2558, 2393..2560		

Seq. No.	2440	Seq. ID	OJ990423_03.9C03.C4
Gene No.	5091	Strand	+
Start	867	End	3497
Name	OJ990423_03.9C03.C4.o2.ts	Method	TBLASTX:Soybean
Start	2587	End	2973
GI	none	Score	85
Exons	2587..2742, 2749..2973		

Seq. No.	2440	Seq. ID	OJ990423_03.9C03.C4
Gene No.	5091	Strand	+
Start	867	End	3497
Name	OJ990423_03.9C03.C4.o3.tm	Method	TBLASTX:Maize
Start	2761	End	3195
GI	none	Score	298
Exons	2761..3195, 2970..3170		

Seq. No.	2440	Seq. ID	OJ990423_03.9C03.C4
Gene No.	5091	Strand	+
Start	867	End	3497
Name	OJ990423_03.9C03.C4.o3.tw	Method	TBLASTX:Wheat
Start	2838	End	3030

GI	none	Score	123
Exons	2838..3029, 2838..2909, 2839..3030, 2839..3030		
Seq. No.	2440	Seq. ID	OJ990423_03.9C03.C4
Gene No.	5091	Strand	+
Start	867	End	3497
Name	OJ990423_03.9C03.C4.o1.ts	Method	TBLASTX:Soybean
Start	2983	End	3381
GI	none	Score	194
Exons	2983..3207, 2991..3203, 3208..3381, 3210..3254, 3297..3356		
Seq. No.	2440	Seq. ID	OJ990423_03.9C03.C4
Gene No.	5091	Strand	+
Start	867	End	3497
Name	OJ990423_03.9C03.C4.o1.tc	Method	TBLASTX:Cress
Start	3016	End	3405
GI	none	Score	109
Exons	3016..3198, 3211..3405		
Seq. No.	2440	Seq. ID	OJ990423_03.9C03.C4
Gene No.	5091	Strand	+
Start	867	End	3497
Name	OJ990423_03.9C03.C4.o1.tw	Method	TBLASTX:Wheat
Start	3031	End	3459
GI	none	Score	585
Exons	3031..3459, 3039..3458, 3040..3459		
Seq. No.	2441	Seq. ID	OJ990423_03.9C03.C5
Gene No.	5092	Strand	+
Start	1	End	2042
Name	OJ990423_03.9C03.C5.o1.np	Method	AAT/NAP
Start	1	End	2042
GI	6539553	Score	3388
Exons	1..2042		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	2441	Seq. ID	OJ990423_03.9C03.C5
Gene No.	5093	Strand	+
Start	3583	End	3722
Name	OJ990423_03.9C03.C5.o1.gp	Method	AAT/GAP
Start	3583	End	3722
GI	none	Score	223
Exons	3583..3722		
Seq. No.	2441	Seq. ID	OJ990423_03.9C03.C5
Gene No.	5094	Strand	-
Start	1574	End	6233
Name	OJ990423_03.9C03.C5.o1.tw	Method	TBLASTX:Wheat
Start	33	End	626
GI	none	Score	380
Exons	33..335, 35..358, 379..609, 387..626, 409..606, 467..625		
Seq. No.	2441	Seq. ID	OJ990423_03.9C03.C5
Gene No.	5094	Strand	-

Start	1574	End	6233
Name	OJ990423_03.9C03.C5.o1.ts	Method	TBLASTX:Soybean
Start	546	End	1010
GI	5509260	Score	373
Exons	546..1010, 647..715, 764..865, 938..991		
GI Descrip.	-		

Seq. No.	2441	Seq. ID	OJ990423_03.9C03.C5
Gene No.	5094	Strand	-
Start	1574	End	6233
Name	OJ990423_03.9C03.C5.o2.tc	Method	TBLASTX:Cress
Start	639	End	899
GI	none	Score	285
Exons	639..899, 641..718		

Seq. No.	2441	Seq. ID	OJ990423_03.9C03.C5
Gene No.	5094	Strand	-
Start	1574	End	6233
Name	OJ990423_03.9C03.C5.o1.tm	Method	TBLASTX:Maize
Start	680	End	1145
GI	none	Score	352
Exons	680..1042, 681..1145		

Seq. No.	2441	Seq. ID	OJ990423_03.9C03.C5
Gene No.	5094	Strand	-
Start	1574	End	6233
Name	OJ990423_03.9C03.C5.o3.tw	Method	TBLASTX:Wheat
Start	681	End	1226
GI	none	Score	315
Exons	681..1025, 1020..1226		

Seq. No.	2441	Seq. ID	OJ990423_03.9C03.C5
Gene No.	5094	Strand	-
Start	1574	End	6233
Name	OJ990423_03.9C03.C5.o3.ts	Method	TBLASTX:Soybean
Start	1079	End	1424
GI	none	Score	310
Exons	1079..1279, 1080..1424		

Seq. No.	2441	Seq. ID	OJ990423_03.9C03.C5
Gene No.	5094	Strand	-
Start	1574	End	6233
Name	OJ990423_03.9C03.C5.o2.tm	Method	TBLASTX:Maize
Start	1235	End	1574
GI	none	Score	309
Exons	1235..1573, 1236..1574		

Seq. No.	2441	Seq. ID	OJ990423_03.9C03.C5
Gene No.	5094	Strand	-
Start	1574	End	6233
Name	OJ990423_03.9C03.C5.o2.tw	Method	TBLASTX:Wheat
Start	1430	End	1906
GI	none	Score	101
Exons	1430..1501, 1431..1505, 1519..1827, 1520..1906, 1521..1868, 1522..1905		

Seq. No.	2441	Seq. ID	OJ990423_03.9C03.C5

Gene No.	5094	Strand	-
Start	1574	End	6233
Name	OJ990423_03.9C03.C5.o4.ts	Method	TBLASTX:Soybean
Start	1437	End	1778
GI	none	Score	91
Exons	1437..1550, 1463..1543, 1569..1778, 1574..1699		

Seq. No.	2441	Seq. ID	OJ990423_03.9C03.C5
Gene No.	5094	Strand	-
Start	1574	End	6233
Name	OJ990423_03.9C03.C5.o2.np	Method	AAT/NAP
Start	1574	End	6233
GI	6522592	Score	1041
Exons	1574..1599, 3838..4866, 5074..5583, 5728..6233		
GI Descrip.	(AL133292) receptor protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	2441	Seq. ID	OJ990423_03.9C03.C5
Gene No.	5094	Strand	-
Start	1574	End	6233
Name	OJ990423_03.9C03.C5.o1.tc	Method	TBLASTX:Cress
Start	3995	End	6037
GI	none	Score	62
Exons	3995..4273, 4040..4273, 4040..4243, 4040..4387, 4043..4273, 4046..4372, 4046..4372, 4046..4372, 4047..4154, 4049..4375, 4049..4372, 4050..4193, 4236..4367, 4242..4367, 4322..4372, 4325..4378, 4334..4372, 4376..4750, 4376..4570, 4379..4570, 4379..4735, 4382..4750, 4382..4519, 4382..4573, 4388..4528, 4400..4528, 4412..4747, 4535..4744, 4553..4750, 4625..4768, 4625..4750, 4922..5050, 4922..5044, 4925..5050, 4999..5037, 5054..5236, 5057..5239, 5057..5236, 5057..5236, 5057..5236, 5060..5236, 5060..5233, 5060..5236, 5069..5236, 5286..5390, 5421..5657, 5423..5569, 5426..5527, 5429..5578, 5429..5983, 5429..5767, 5432..5578, 5441..5974, 5502..5621, 5633..5986, 5636..5971, 5636..5878, 5645..5989, 5654..5980, 5705..5995, 5717..5971, 5789..5932, 5792..6010, 5831..5968, 6002..6037		

Seq. No.	2441	Seq. ID	OJ990423_03.9C03.C5
Gene No.	5094	Strand	-
Start	1574	End	6233
Name	OJ990423_03.9C03.C5.o2.ts	Method	TBLASTX:Soybean
Start	4040	End	6010
GI	none	Score	63
Exons	4040..4372, 4040..4174, 4043..4375, 4049..4372, 4376..4750, 4379..4570, 4379..4681, 4382..4750, 4382..4564, 4392..4649, 4412..4747, 4455..4565, 4602..4649, 4625..4756, 4919..5044, 5057..5236, 5057..5236, 5057..5188, 5060..5236, 5060..5236, 5060..5236, 5072..5239, 5358..5729, 5424..5678, 5429..5578, 5429..5971, 5432..5578, 5495..5974, 5502..5678, 5630..5908, 5645..5716, 5645..5974, 5654..5980, 5705..5995, 5792..6010		

Seq. No.	2441	Seq. ID	OJ990423_03.9C03.C5
Gene No.	5094	Strand	-
Start	1574	End	6233
Name	OJ990423_03.9C03.C5.o3.tm	Method	TBLASTX:Maize
Start	4040	End	5983
GI	none	Score	61

Exons	4040..4246, 4040..4381, 4040..4372, 4046..4372, 4046..4372, 4049..4387, 4067..4357, 4251..4370, 4318..4398, 4373..4735, 4373..4570, 4376..4570, 4379..4768, 4388..4528, 4625..4723, 4832..4930, 4919..5041, 5057..5236, 5057..5236, 5159..5239, 5429..5971, 5429..5773, 5432..5983, 5645..5974, 5738..5980		
Seq. No.	2441	Seq. ID	OJ990423_03.9C03.C5
Gene No.	5094	Strand	-
Start	1574	End	6233
Name	OJ990423_03.9C03.C5.o5.tw	Method	TBLASTX:Wheat
Start	4064	End	6103
GI	none	Score	88
Exons	4064..4273, 4133..4378, 4382..4501, 4925..5050, 5057..5179, 5069..5239, 5072..5236, 5429..5578, 5439..5696, 5511..5729, 5516..5839, 5660..5986, 6002..6103		
Seq. No.	2441	Seq. ID	OJ990423_03.9C03.C5
Gene No.	5094	Strand	-
Start	1574	End	6233
Name	OJ990423_03.9C03.C5.o4.tw	Method	TBLASTX:Wheat
Start	4502	End	4924
GI	none	Score	227
Exons	4502..4573, 4641..4922, 4643..4921, 4676..4924		
Seq. No.	2442	Seq. ID	OJ990423_03.9C03.C6
Gene No.	5095	Strand	+
Start	3855	End	7751
Name	OJ990423_03.9C03.C6.o1.gp	Method	AAT/GAP
Start	3855	End	7751
GI	uC-osflcyp144h10b1	Score	830
Exons	3855..3981, 7398..7751		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	2442	Seq. ID	OJ990423_03.9C03.C6
Gene No.	5096	Strand	-
Start	2472	End	13439
Name	OJ990423_03.9C03.C6.o1.np	Method	AAT/NAP
Start	2472	End	6500
GI	5852179	Score	333
Exons	2472..2517, 5004..5207, 5282..5493, 6480..6500		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		
Seq. No.	2442	Seq. ID	OJ990423_03.9C03.C6
Gene No.	5096	Strand	-
Start	2472	End	13439
Name	OJ990423_03.9C03.C6.o2.gs	Method	GENSCAN
Start	5871	End	13439
GI	none	Score	.55
Exons	5871..6008, 7096..7176, 7433..8201, 8288..8609, 8903..9269, 11217..11419, 11440..11555, 11957..12089, 13382..13439		
Seq. No.	2442	Seq. ID	OJ990423_03.9C03.C6
Gene No.	5097	Strand	-
Start	15153	End	15325
Name	OJ990423_03.9C03.C6.o3.gs	Method	GENSCAN
Start	15153	End	15325

GI	none	Score	.49
Exons	15153..15325		

Seq. No.	2443	Seq. ID	OJ990423_03.9C03.C7
Gene No.	5098	Strand	+
Start	1	End	2136
Name	OJ990423_03.9C03.C7.o1.np	Method	AAT/NAP
Start	1	End	2136
GI	6751696	Score	91
Exons	1..30, 294..402, 1802..2136		
GI Descrip.	(AC018908) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2443	Seq. ID	OJ990423_03.9C03.C7
Gene No.	5099	Strand	-
Start	207	End	1833
Name	OJ990423_03.9C03.C7.o1.gs	Method	GENSCAN
Start	207	End	1833
GI	none	Score	.59
Exons	207..322, 368..420, 1699..1833		

Seq. No.	2444	Seq. ID	OJ990423_03.9C03.C8
Gene No.	5100	Strand	+
Start	85	End	916
Name	OJ990423_03.9C03.C8.o1.gs	Method	GENSCAN
Start	85	End	916
GI	none	Score	.51
Exons	85..526, 897..916		

Seq. No.	2445	Seq. ID	OJ990423_03.9C03.C10
Gene No.	5101	Strand	+
Start	298	End	418
Name	OJ990423_03.9C03.C10.o1.gs	Method	GENSCAN
Start	298	End	418
GI	none	Score	.42
Exons	298..418		

Seq. No.	2446	Seq. ID	OJ990423_03.9C03.C11
Gene No.	5102	Strand	-
Start	25	End	590
Name	OJ990423_03.9C03.C11.o1.gs	Method	GENSCAN
Start	25	End	590
GI	none	Score	.67
Exons	25..116, 431..590		

Seq. No.	2447	Seq. ID	OJ990423_03.9C03.C13
Gene No.	5103	Strand	-
Start	551	End	733
Name	OJ990423_03.9C03.C13.o1.gs	Method	GENSCAN
Start	551	End	733
GI	none	Score	.78
Exons	551..733		

Seq. No.	2448	Seq. ID	OJ990423_03.9C03.C14
Gene No.	5104	Strand	-
Start	1	End	779
Name	OJ990423_03.9C03.C14.o1.np	Method	AAT/NAP
Start	1	End	779

GI	2130082	Score	362
Exons	1..779		
GI Descrip.	protein kinase Xa21 (EC 2.7.1.-) - rice gi|1122443 (U37133) receptor kinase-like protein [Oryza sativa] gi|2586085 (U72723) receptor kinase-like protein [Oryza longistaminata] gi|1586408|prf||2203451A receptor kinase-like protein [Oryza sativa]		

Seq. No.	2448	Seq. ID	OJ990423_03.9C03.C14
Gene No.	5104	Strand	-
Start	1	End	779
Name	OJ990423_03.9C03.C14.o1.tw	Method	TBLASTX:Wheat
Start	1	End	564
GI	none	Score	197
Exons	1..273, 14..274, 457..564		

Seq. No.	2448	Seq. ID	OJ990423_03.9C03.C14
Gene No.	5104	Strand	-
Start	1	End	779
Name	OJ990423_03.9C03.C14.o1.ts	Method	TBLASTX:Soybean
Start	31	End	588
GI	none	Score	69
Exons	31..195, 271..402, 337..585, 410..577, 421..543, 487..588		

Seq. No.	2448	Seq. ID	OJ990423_03.9C03.C14
Gene No.	5104	Strand	-
Start	1	End	779
Name	OJ990423_03.9C03.C14.o1.tm	Method	TBLASTX:Maize
Start	214	End	588
GI	none	Score	87
Exons	214..273, 271..525, 271..381, 275..469, 409..549, 485..586, 508..588		

Seq. No.	2448	Seq. ID	OJ990423_03.9C03.C14
Gene No.	5104	Strand	-
Start	1	End	779
Name	OJ990423_03.9C03.C14.o1.tc	Method	TBLASTX:Cress
Start	271	End	588
GI	none	Score	70
Exons	271..402, 334..585, 410..586, 463..588		

Seq. No.	2449	Seq. ID	OJ990423_03.9C03.C15
Gene No.	5105	Strand	+
Start	127	End	674
Name	OJ990423_03.9C03.C15.o1.gs	Method	GENSCAN
Start	127	End	674
GI	none	Score	.82
Exons	127..286, 601..674		

Seq. No.	2450	Seq. ID	OJ990423_03.9C03.C19
Gene No.	5106	Strand	-
Start	1	End	831
Name	OJ990423_03.9C03.C19.o1.np	Method	AAT/NAP
Start	1	End	831
GI	6815062	Score	190
Exons	1..168, 339..593, 760..831		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC		

F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]

Seq. No.	2450	Seq. ID	OJ990423_03.9C03.C19
Gene No.	5106	Strand	-
Start	1	End	831
Name	OJ990423_03.9C03.C19.o1.gs	Method	GENSCAN
Start	98	End	549
GI	none	Score	.83
Exons	98..187, 286..549		

Seq. No.	2451	Seq. ID	OJ990423_03.9C03.C20
Gene No.	5107	Strand	-
Start	1	End	7983
Name	OJ990423_03.9C03.C20.o1.np	Method	AAT/NAP
Start	1	End	7983
GI	6815062	Score	2548
Exons	1..19, 477..708, 815..865, 938..1036, 1113..1422, 1481..1721, 1807..2664, 2756..2826, 2998..3256, 6737..7983		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	2451	Seq. ID	OJ990423_03.9C03.C20
Gene No.	5107	Strand	-
Start	1	End	7983
Name	OJ990423_03.9C03.C20.o3.tm	Method	TBLASTX:Maize
Start	1116	End	1721
GI	none	Score	101
Exons	1116..1298, 1338..1415, 1512..1721, 1513..1671		

Seq. No.	2451	Seq. ID	OJ990423_03.9C03.C20
Gene No.	5107	Strand	-
Start	1	End	7983
Name	OJ990423_03.9C03.C20.o2.tm	Method	TBLASTX:Maize
Start	1960	End	2464
GI	none	Score	183
Exons	1960..2298, 1964..2269, 2044..2298, 2329..2463, 2339..2464		

Seq. No.	2451	Seq. ID	OJ990423_03.9C03.C20
Gene No.	5107	Strand	-
Start	1	End	7983
Name	OJ990423_03.9C03.C20.o4.tm	Method	TBLASTX:Maize
Start	6971	End	7249
GI	none	Score	185
Exons	6971..7249		

Seq. No.	2451	Seq. ID	OJ990423_03.9C03.C20
Gene No.	5107	Strand	-
Start	1	End	7983
Name	OJ990423_03.9C03.C20.o1.tm	Method	TBLASTX:Maize
Start	7376	End	7941
GI	none	Score	206
Exons	7376..7765, 7398..7721, 7792..7941		

Seq. No.	2452	Seq. ID	OJ990423_03.9C03.C21
Gene No.	5108	Strand	+

Start	3841	End	7014
Name	OJ990423_03.9C03.C21.o3.gs	Method	GENSCAN
Start	3841	End	7014
GI	none	Score	.66
Exons	3841..4172, 4329..4698, 4784..5228, 5777..6448, 6539..7014		

Seq. No.	2452	Seq. ID	OJ990423_03.9C03.C21
Gene No.	5109	Strand	+
Start	8650	End	12474
Name	OJ990423_03.9C03.C21.o4.gs	Method	GENSCAN
Start	8650	End	12468
GI	none	Score	.92
Exons	8650..8718, 9031..12022, 12116..12468		

Seq. No.	2452	Seq. ID	OJ990423_03.9C03.C21
Gene No.	5109	Strand	+
Start	8650	End	12474
Name	OJ990423_03.9C03.C21.o1.np	Method	AAT/NAP
Start	8996	End	12474
GI	6522541	Score	1708
Exons	8996..9481, 9842..11478, 11509..12022, 12116..12474		
GI Descrip.	(AL132955) receptor-kinase like protein [Arabidopsis thaliana]		

Seq. No.	2452	Seq. ID	OJ990423_03.9C03.C21
Gene No.	5110	Strand	-
Start	2182	End	3138
Name	OJ990423_03.9C03.C21.o2.gs	Method	GENSCAN
Start	2182	End	3138
GI	none	Score	.87
Exons	2182..2306, 2922..3138		

Seq. No.	2452	Seq. ID	OJ990423_03.9C03.C21
Gene No.	5111	Strand	-
Start	8699	End	9005
Name	OJ990423_03.9C03.C21.o1.gp	Method	AAT/GAP
Start	8699	End	9005
GI	3761222	Score	542
Exons	8699..9005		

Seq. No.	2452	Seq. ID	OJ990423_03.9C03.C21
Gene No.	5112	Strand	-
Start	14160	End	16936
Name	OJ990423_03.9C03.C21.o5.tm	Method	TBLASTX:Maize
Start	3929	End	11133
GI	none	Score	61
Exons	3929..4030, 9181..9396, 9202..9399, 9207..9383, 9208..9468, 9228..9395, 9274..9672, 9340..9822, 9420..9671, 9490..9744, 9492..9599, 9501..9671, 9705..9824, 9733..9888, 9733..9819, 9798..9962, 9850..10113, 9856..9963, 9937..10113, 9937..10116, 9948..10109, 9949..10104, 9994..10116, 10129..10254, 10363..10638, 10426..10629, 10429..10773, 10438..10692, 10510..10803, 10570..10800, 10801..11133, 10827..10901		

Seq. No.	2452	Seq. ID	OJ990423_03.9C03.C21
Gene No.	5112	Strand	-
Start	14160	End	16936
Name	OJ990423_03.9C03.C21.o6.tm	Method	TBLASTX:Maize

Start	4401	End	4686
GI	none	Score	260
Exons	4401..4580, 4402..4686, 4402..4611, 4635..4682, 4639..4683		

Seq. No.	2452	Seq. ID	OJ990423_03.9C03.C21
Gene No.	5112	Strand	-
Start	14160	End	16936
Name	OJ990423_03.9C03.C21.o2.tw	Method	TBLASTX:Wheat
Start	4629	End	4954
GI	none	Score	114
Exons	4629..4700, 4630..4698, 4780..4914, 4784..4954		

Seq. No.	2452	Seq. ID	OJ990423_03.9C03.C21
Gene No.	5112	Strand	-
Start	14160	End	16936
Name	OJ990423_03.9C03.C21.o7.tm	Method	TBLASTX:Maize
Start	5983	End	6411
GI	none	Score	102
Exons	5983..6144, 6148..6411		

Seq. No.	2452	Seq. ID	OJ990423_03.9C03.C21
Gene No.	5112	Strand	-
Start	14160	End	16936
Name	OJ990423_03.9C03.C21.o1.tw	Method	TBLASTX:Wheat
Start	6082	End	6451
GI	none	Score	92
Exons	6082..6195, 6094..6165, 6166..6450, 6185..6451, 6189..6449, 6328..6450		

Seq. No.	2452	Seq. ID	OJ990423_03.9C03.C21
Gene No.	5112	Strand	-
Start	14160	End	16936
Name	OJ990423_03.9C03.C21.o5.ts	Method	TBLASTX:Soybean
Start	6187	End	6614
GI	none	Score	187
Exons	6187..6450, 6204..6242, 6297..6449, 6537..6614, 6538..6612		

Seq. No.	2452	Seq. ID	OJ990423_03.9C03.C21
Gene No.	5112	Strand	-
Start	14160	End	16936
Name	OJ990423_03.9C03.C21.o3.tm	Method	TBLASTX:Maize
Start	6568	End	6836
GI	none	Score	426
Exons	6568..6825, 6570..6836		

Seq. No.	2452	Seq. ID	OJ990423_03.9C03.C21
Gene No.	5112	Strand	-
Start	14160	End	16936
Name	OJ990423_03.9C03.C21.o3.tw	Method	TBLASTX:Wheat
Start	9067	End	11133
GI	none	Score	94
Exons	9067..9171, 9187..9369, 9190..9513, 9265..9585, 9346..9657, 9496..9798, 9784..10089, 9795..9887, 10123..10251, 10155..10313, 10423..10533, 10426..10677, 10501..10800, 10801..11109, 10945..11133		

Seq. No.	2452	Seq. ID	OJ990423_03.9C03.C21

Gene No.	5112	Strand	-
Start	14160	End	16936
Name	OJ990423_03.9C03.C21.o1.tc	Method	TBLASTX:Cress
Start	9127	End	12210
GI	none	Score	49
Exons	9127..9171, 9181..9318, 9187..9399, 9190..9609, 9193..9396, 9202..9681, 9202..9672, 9223..9468, 9229..9978, 9247..9528, 9253..10050, 9273..9599, 9307..9609, 9318..9455, 9343..9453, 9379..9672, 9409..10116, 9478..9651, 9519..9638, 9576..9671, 9595..9888, 9619..10116, 9736..10041, 9754..10104, 9835..10020, 9838..10104, 9955..10104, 10021..10188, 10123..10254, 10123..10308, 10129..10251, 10132..10251, 10330..10773, 10420..10794, 10420..10791, 10420..10764, 10423..10638, 10426..10800, 10429..10794, 10429..10773, 10453..10701, 10555..10791, 10561..10743, 10636..11133, 10675..10836, 10785..10991, 10798..10878, 10798..11127, 10801..11127, 10801..11145, 10801..11127, 10801..11001, 10807..11127, 10816..11076, 10816..11133, 10852..11133, 10858..10911, 10996..11133, 11080..11127, 11584..11664, 11637..11735, 11668..11736, 11770..11937, 11793..11951, 12115..12210		

Seq. No.	2452	Seq. ID	OJ990423_03.9C03.C21
Gene No.	5112	Strand	-
Start	14160	End	16936
Name	OJ990423_03.9C03.C21.o4.ts	Method	TBLASTX:Soybean
Start	9193	End	11187
GI	none	Score	242
Exons	9193..9672, 9199..9675, 9202..9678, 9208..9672, 9225..9383, 9229..9681, 9229..9627, 9235..9354, 9265..9675, 9285..9455, 9289..9888, 9337..9747, 9385..9672, 9451..9570, 9495..9671, 9516..9671, 9733..10104, 9733..10104, 9733..10251, 9793..10104, 9850..10113, 9852..10250, 9937..10116, 9943..10110, 9985..10116, 10009..10116, 10027..10116, 10123..10251, 10126..10251, 10240..10293, 10346..10393, 10351..10425, 10423..10773, 10426..10767, 10426..10563, 10429..10524, 10429..10773, 10429..11127, 10453..10791, 10453..10800, 10464..10691, 10522..10800, 10615..10740, 10687..11127, 10798..11187, 10801..11133, 10801..11133, 10801..11127		

Seq. No.	2452	Seq. ID	OJ990423_03.9C03.C21
Gene No.	5112	Strand	-
Start	14160	End	16936
Name	OJ990423_03.9C03.C21.o2.ts	Method	TBLASTX:Soybean
Start	11398	End	12300
GI	none	Score	94
Exons	11398..11487, 11400..11486, 11536..11733, 11568..11723, 11740..11982, 11766..11942, 11977..12021, 11991..12020, 12114..12290, 12115..12300		

Seq. No.	2452	Seq. ID	OJ990423_03.9C03.C21
Gene No.	5112	Strand	-
Start	14160	End	16936
Name	OJ990423_03.9C03.C21.o4.tm	Method	TBLASTX:Maize
Start	11568	End	12015
GI	none	Score	221
Exons	11568..11753, 11569..11754, 11767..11943, 11796..11927, 11974..12015		

Seq. No.	2452	Seq. ID	OJ990423_03.9C03.C21
Gene No.	5112	Strand	-
Start	14160	End	16936
Name	OJ990423_03.9C03.C21.o4.tw	Method	TBLASTX:Wheat
Start	11788	End	12212
GI	none	Score	131
Exons	11788..11943, 11856..11939, 11992..12021, 12114..12212, 12115..12204		

Seq. No.	2452	Seq. ID	OJ990423_03.9C03.C21
Gene No.	5112	Strand	-
Start	14160	End	16936
Name	OJ990423_03.9C03.C21.o8.tm	Method	TBLASTX:Maize
Start	12099	End	12405
GI	none	Score	53
Exons	12099..12191, 12114..12317, 12115..12345, 12301..12405, 12303..12404		

Seq. No.	2452	Seq. ID	OJ990423_03.9C03.C21
Gene No.	5112	Strand	-
Start	14160	End	16936
Name	OJ990423_03.9C03.C21.o2.tc	Method	TBLASTX:Cress
Start	14139	End	14414
GI	none	Score	211
Exons	14139..14414, 14149..14409		

Seq. No.	2452	Seq. ID	OJ990423_03.9C03.C21
Gene No.	5112	Strand	-
Start	14160	End	16936
Name	OJ990423_03.9C03.C21.o3.ts	Method	TBLASTX:Soybean
Start	14149	End	14544
GI	none	Score	387
Exons	14149..14544, 14157..14543, 14158..14538		

Seq. No.	2452	Seq. ID	OJ990423_03.9C03.C21
Gene No.	5112	Strand	-
Start	14160	End	16936
Name	OJ990423_03.9C03.C21.o2.tm	Method	TBLASTX:Maize
Start	14152	End	14625
GI	none	Score	611
Exons	14152..14625, 14154..14624		

Seq. No.	2452	Seq. ID	OJ990423_03.9C03.C21
Gene No.	5112	Strand	-
Start	14160	End	16936
Name	OJ990423_03.9C03.C21.o2.np	Method	AAT/NAP
Start	14160	End	15317
GI	4490733	Score	1027
Exons	14160..15317		
GI Descrip.	(AL035709) putative protein [Arabidopsis thaliana]		

Seq. No.	2452	Seq. ID	OJ990423_03.9C03.C21
Gene No.	5112	Strand	-
Start	14160	End	16936
Name	OJ990423_03.9C03.C21.o1.ts	Method	TBLASTX:Soybean
Start	14555	End	15326

GI	none	Score	307
Exons	14555..14869, 14568..15176, 14569..15060, 14724..15176, 15171..15326, 15189..15317		

Seq. No.	2452	Seq. ID	OJ990423_03.9C03.C21
Gene No.	5112	Strand	-
Start	14160	End	16936
Name	OJ990423_03.9C03.C21.o1.tm	Method	TBLASTX:Maize
Start	14658	End	15330
GI	none	Score	60
Exons	14658..14708, 14659..14706, 14690..14878, 14694..14879, 14695..14880, 14696..14887, 14721..14888, 14875..15213, 14886..15317, 14892..15317, 15253..15330		

Seq. No.	2452	Seq. ID	OJ990423_03.9C03.C21
Gene No.	5112	Strand	-
Start	14160	End	16936
Name	OJ990423_03.9C03.C21.o2.gp	Method	AAT/GAP
Start	14760	End	16936
GI	22987_1.R1084	Score	1553
Exons	14760..15372, 16752..16936		
GI Descrip.	'4490733/emb|CAB38936.1| 2.0e-38 (AL035709) putative protein [Arabidopsis thaliana]'		

Seq. No.	2453	Seq. ID	OJ990423_03.9C03.C22
Gene No.	5113	Strand	+
Start	15062	End	21527
Name	OJ990423_03.9C03.C22.o4.gs	Method	GENSCAN
Start	15062	End	21527
GI	none	Score	.52
Exons	15062..15227, 15785..16047, 16681..16837, 16941..17043, 18348..18705, 18786..19227, 21249..21360, 21428..21527		

Seq. No.	2453	Seq. ID	OJ990423_03.9C03.C22
Gene No.	5113	Strand	+
Start	15062	End	21527
Name	OJ990423_03.9C03.C22.o1.gp	Method	AAT/GAP
Start	18324	End	19616
GI	16675_1.R1084	Score	1905
Exons	18324..18705, 18786..19227, 19340..19383, 19487..19616		
GI Descrip.	'4062935/dbj|AB003495.1|AB003495 3.0e-14 Oryza sativa DNA for dihydroflavonol 4-reductase, complete cds'		

Seq. No.	2453	Seq. ID	OJ990423_03.9C03.C22
Gene No.	5114	Strand	+
Start	27190	End	30082
Name	OJ990423_03.9C03.C22.o6.gs	Method	GENSCAN
Start	27190	End	30046
GI	none	Score	.49
Exons	27190..27210, 27991..28077, 29011..29127, 29444..29551, 29837..30046		

Seq. No.	2453	Seq. ID	OJ990423_03.9C03.C22
Gene No.	5114	Strand	+
Start	27190	End	30082
Name	OJ990423_03.9C03.C22.o2.np	Method	AAT/NAP
Start	29433	End	30082

GI	2947063	Score	258
Exons	29433..30082		
GI Descrip.	(AC002521) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	2453	Seq. ID	OJ990423_03.9C03.C22
Gene No.	5115	Strand	-
Start	3170	End	10605
Name	OJ990423_03.9C03.C22.o2.gs	Method	GENSCAN
Start	3170	End	10605
GI	none	Score	.69
Exons	3170..3469, 4996..5080, 5187..5296, 5617..5817, 6226..6587, 6805..6888, 7473..7491, 7572..7730, 8341..8468, 8565..8687, 8949..9093, 9186..9262, 9512..9815, 10519..10605		

Seq. No.	2453	Seq. ID	OJ990423_03.9C03.C22
Gene No.	5115	Strand	-
Start	3170	End	10605
Name	OJ990423_03.9C03.C22.o1.np	Method	AAT/NAP
Start	3173	End	10590
GI	4741192	Score	1985
Exons	3173..3469, 3958..4046, 4171..4276, 4371..4499, 4996..5080, 5187..5296, 5617..5817, 6226..6587, 6805..6888, 6984..7109, 7192..7351, 7568..7730, 8341..8468, 8565..8684, 8949..9093, 9555..9890, 10519..10590		
GI Descrip.	(AL049746) ABC transporter-like protein [Arabidopsis thaliana]		

Seq. No.	2453	Seq. ID	OJ990423_03.9C03.C22
Gene No.	5116	Strand	-
Start	12163	End	13428
Name	OJ990423_03.9C03.C22.o3.gs	Method	GENSCAN
Start	12163	End	13428
GI	none	Score	.99
Exons	12163..12377, 13365..13428		

Seq. No.	2453	Seq. ID	OJ990423_03.9C03.C22
Gene No.	5117	Strand	-
Start	22527	End	24937
Name	OJ990423_03.9C03.C22.o2.ts	Method	TBLASTX:Soybean
Start	3165	End	3352
GI	none	Score	128
Exons	3165..3350, 3170..3352		

Seq. No.	2453	Seq. ID	OJ990423_03.9C03.C22
Gene No.	5117	Strand	-
Start	22527	End	24937
Name	OJ990423_03.9C03.C22.o4.tm	Method	TBLASTX:Maize
Start	3170	End	3385
GI	none	Score	165
Exons	3170..3385, 3192..3383		

Seq. No.	2453	Seq. ID	OJ990423_03.9C03.C22
Gene No.	5117	Strand	-
Start	22527	End	24937
Name	OJ990423_03.9C03.C22.o2.tm	Method	TBLASTX:Maize
Start	3386	End	4443
GI	none	Score	115

Exons	3386..3472, 3387..3470, 3387..3485, 3388..3489, 3955..4044, 3956..4063, 4166..4279, 4170..4277, 4177..4281, 4368..4442, 4369..4443		
Seq. No.	2453	Seq. ID	OJ990423_03.9C03.C22
Gene No.	5117	Strand	-
Start	22527	End	24937
Name	OJ990423_03.9C03.C22.o1.ts	Method	TBLASTX:Soybean
Start	4166	End	5218
GI	none	Score	117
Exons	4166..4282, 4170..4295, 4368..4502, 4369..4503, 5002..5079, 5003..5077, 5181..5216, 5186..5218		
Seq. No.	2453	Seq. ID	OJ990423_03.9C03.C22
Gene No.	5117	Strand	-
Start	22527	End	24937
Name	OJ990423_03.9C03.C22.o6.tm	Method	TBLASTX:Maize
Start	5701	End	6886
GI	none	Score	72
Exons	5701..5829, 5710..5829, 6358..6582, 6359..6583, 6806..6886		
Seq. No.	2453	Seq. ID	OJ990423_03.9C03.C22
Gene No.	5117	Strand	-
Start	22527	End	24937
Name	OJ990423_03.9C03.C22.o1.tw	Method	TBLASTX:Wheat
Start	6361	End	6592
GI	none	Score	67
Exons	6361..6591, 6410..6592, 6423..6557, 6439..6582		
Seq. No.	2453	Seq. ID	OJ990423_03.9C03.C22
Gene No.	5117	Strand	-
Start	22527	End	24937
Name	OJ990423_03.9C03.C22.o1.tc	Method	TBLASTX:Cress
Start	6791	End	7113
GI	none	Score	79
Exons	6791..6883, 6974..7111, 6979..7113		
Seq. No.	2453	Seq. ID	OJ990423_03.9C03.C22
Gene No.	5117	Strand	-
Start	22527	End	24937
Name	OJ990423_03.9C03.C22.o5.tm	Method	TBLASTX:Maize
Start	6991	End	7320
GI	none	Score	83
Exons	6991..7110, 6992..7111, 7178..7300, 7285..7320		
Seq. No.	2453	Seq. ID	OJ990423_03.9C03.C22
Gene No.	5117	Strand	-
Start	22527	End	24937
Name	OJ990423_03.9C03.C22.o1.tm	Method	TBLASTX:Maize
Start	16939	End	18872
GI	none	Score	76
Exons	16939..17010, 16939..17016, 16946..17020, 16961..17017, 17003..17053, 18334..18384, 18340..18384, 18400..18705, 18400..18705, 18783..18872, 18785..18871		
Seq. No.	2453	Seq. ID	OJ990423_03.9C03.C22
Gene No.	5117	Strand	-

Start	22527	End	24937
Name	OJ990423_03.9C03.C22.o3.tm	Method	TBLASTX:Maize
Start	18873	End	19198
GI	none	Score	208
Exons	18873..19067, 18873..19064, 18874..19065, 18931..19068, 19054..19107, 19068..19115, 19071..19121, 19109..19198, 19130..19195		

Seq. No.	2453	Seq. ID	OJ990423_03.9C03.C22
Gene No.	5117	Strand	-
Start	22527	End	24937
Name	OJ990423_03.9C03.C22.o5.gs	Method	GENSCAN
Start	22527	End	24937
GI	none	Score	.71
Exons	22527..22657, 23426..23529, 23534..23581, 23754..23882, 24819..24937		

Seq. No.	2453	Seq. ID	OJ990423_03.9C03.C22
Gene No.	5118	Strand	
Start	29816	End	30073
Name	OJ990423_03.9C03.C22.o3.ts	Method	TBLASTX:Soybean
Start	29816	End	30073
GI	none	Score	187
Exons	29816..30073		

Seq. No.	2454	Seq. ID	OJ990423_03.9C03.C23
Gene No.	5119	Strand	+
Start	1	End	3770
Name	OJ990423_03.9C03.C23.o1.np	Method	AAT/NAP
Start	1	End	1521
GI	1076764	Score	78
Exons	1..210, 1494..1521		
GI Descrip.	AWJL236 protein - wheat gi|551214|emb|CAA57135| (X81370) AWJL236 [Triticum aestivum]		

Seq. No.	2454	Seq. ID	OJ990423_03.9C03.C23
Gene No.	5119	Strand	+
Start	1	End	3770
Name	OJ990423_03.9C03.C23.o2.np	Method	AAT/NAP
Start	1	End	3446
GI	2947063	Score	740
Exons	1..573, 1091..1215, 2114..2369, 2461..2652, 3016..3113, 3198..3446		
GI Descrip.	(AC002521) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	2454	Seq. ID	OJ990423_03.9C03.C23
Gene No.	5119	Strand	+
Start	1	End	3770
Name	OJ990423_03.9C03.C23.o1.gs	Method	GENSCAN
Start	84	End	3443
GI	none	Score	.84
Exons	84..573, 1106..1239, 2126..2369, 2461..2669, 2751..2800, 2993..3113, 3198..3443		

Seq. No.	2454	Seq. ID	OJ990423_03.9C03.C23
Gene No.	5119	Strand	+

Start	1	End	3770
Name	OJ990423_03.9C03.C23.o1.gp	Method	AAT/GAP
Start	216	End	2158
GI	none	Score	978
Exons	216..573, 1106..1239, 2126..2158		

Seq. No.	2454	Seq. ID	OJ990423_03.9C03.C23
Gene No.	5119	Strand	+
Start	1	End	3770
Name	OJ990423_03.9C03.C23.o2.gp	Method	AAT/GAP
Start	2162	End	3021
GI	15891_1.R1084	Score	886
Exons	2162..2369, 2461..2669, 2751..2800, 2993..3021		
GI Descrip.	'2947063 1.0e-35 (AC002521) putative Ser/Thr protein kinase [Arabidopsis thaliana]'		

Seq. No.	2454	Seq. ID	OJ990423_03.9C03.C23
Gene No.	5119	Strand	+
Start	1	End	3770
Name	OJ990423_03.9C03.C23.o3.gp	Method	AAT/GAP
Start	3287	End	3770
GI	70383_1.R1084	Score	929
Exons	3287..3770		
GI Descrip.	'2947063 8.0e-09 (AC002521) putative Ser/Thr protein kinase [Arabidopsis thaliana]'		

Seq. No.	2454	Seq. ID	OJ990423_03.9C03.C23
Gene No.	5120	Strand	-
Start	4152	End	5987
Name	OJ990423_03.9C03.C23.o3.ts	Method	TBLASTX:Soybean
Start	6	End	227
GI	none	Score	185
Exons	6..227		

Seq. No.	2454	Seq. ID	OJ990423_03.9C03.C23
Gene No.	5120	Strand	-
Start	4152	End	5987
Name	OJ990423_03.9C03.C23.o2.tm	Method	TBLASTX:Maize
Start	75	End	1139
GI	none	Score	325
Exons	75..299, 77..304, 426..461, 1083..1139, 1110..1139		

Seq. No.	2454	Seq. ID	OJ990423_03.9C03.C23
Gene No.	5120	Strand	-
Start	4152	End	5987
Name	OJ990423_03.9C03.C23.o1.tm	Method	TBLASTX:Maize
Start	1156	End	3448
GI	none	Score	103
Exons	1156..1239, 1156..1251, 1161..1244, 2115..2360, 2123..2362, 2127..2360, 2128..2367, 2129..2368, 2459..2677, 2460..2678, 2748..2798, 2991..3119, 2998..3120, 3005..3124, 3195..3401, 3200..3400, 3218..3448		

Seq. No.	2454	Seq. ID	OJ990423_03.9C03.C23
Gene No.	5120	Strand	-
Start	4152	End	5987
Name	OJ990423_03.9C03.C23.o1.ts	Method	TBLASTX:Soybean

Start	2129	End	2684
GI	5677290	Score	171
Exons	2129..2389, 2459..2683, 2466..2684		
GI Descrip.	2947063 2.0e-39 (AC002521) putative Ser/Thr protein kinase [Arabidopsis thaliana]		

Seq. No.	2454	Seq. ID	OJ990423_03.9C03.C23
Gene No.	5120	Strand	-
Start	4152	End	5987
Name	OJ990423_03.9C03.C23.o2.tc	Method	TBLASTX:Cress
Start	2129	End	2594
GI	none	Score	148
Exons	2129..2374, 2481..2594		

Seq. No.	2454	Seq. ID	OJ990423_03.9C03.C23
Gene No.	5120	Strand	-
Start	4152	End	5987
Name	OJ990423_03.9C03.C23.o2.ts	Method	TBLASTX:Soybean
Start	2982	End	3398
GI	none	Score	108
Exons	2982..3116, 2999..3106, 3189..3398, 3245..3397		

Seq. No.	2454	Seq. ID	OJ990423_03.9C03.C23
Gene No.	5120	Strand	-
Start	4152	End	5987
Name	OJ990423_03.9C03.C23.o1.tc	Method	TBLASTX:Cress
Start	2988	End	3400
GI	none	Score	104
Exons	2988..3116, 3189..3398, 3215..3400		

Seq. No.	2454	Seq. ID	OJ990423_03.9C03.C23
Gene No.	5120	Strand	-
Start	4152	End	5987
Name	OJ990423_03.9C03.C23.o2.gs	Method	GENSCAN
Start	4152	End	5987
GI	none	Score	.83
Exons	4152..4409, 5119..5337, 5772..5987		

Seq. No.	2454	Seq. ID	OJ990423_03.9C03.C23
Gene No.	5120	Strand	-
Start	4152	End	5987
Name	OJ990423_03.9C03.C23.o3.np	Method	AAT/NAP
Start	4155	End	5177
GI	2213871	Score	155
Exons	4155..4409, 5119..5177		
GI Descrip.	(AF003126) poly(A)-binding protein [Mesembryanthemum crystallinum]		

Seq. No.	2454	Seq. ID	OJ990423_03.9C03.C23
Gene No.	5120	Strand	-
Start	4152	End	5987
Name	OJ990423_03.9C03.C23.o1.tw	Method	TBLASTX:Wheat
Start	4248	End	4434
GI	none	Score	134
Exons	4248..4421, 4248..4427, 4252..4434		

Seq. No.	2454	Seq. ID	OJ990423_03.9C03.C23

Gene No.	5120	Strand	-
Start	4152	End	5987
Name	OJ990423_03.9C03.C23.o3.tm	Method	TBLASTX:Maize
Start	4248	End	4410
GI	none	Score	125
Exons	4248..4409, 4248..4409, 4252..4410		

Seq. No.	2455	Seq. ID	OJ990423_03.9C03.C24
Gene No.	5121	Strand	-
Start	1	End	632
Name	OJ990423_03.9C03.C24.o1.np	Method	AAT/NAP
Start	1	End	632
GI	3894393	Score	313
Exons	1..632		
GI Descrip.	(AF053998) Hcr2-5D [Lycopersicon esculentum]		

Seq. No.	2455	Seq. ID	OJ990423_03.9C03.C24
Gene No.	5121	Strand	-
Start	1	End	632
Name	OJ990423_03.9C03.C24.o1.tc	Method	TBLASTX:Cress
Start	44	End	591
GI	none	Score	55
Exons	44..70, 79..312, 106..531, 107..214, 113..277, 175..528, 178..531, 178..519, 181..516, 181..423, 190..534, 190..516, 190..519, 199..525, 250..540, 262..591, 334..477, 337..555, 376..513, 401..490		

Seq. No.	2455	Seq. ID	OJ990423_03.9C03.C24
Gene No.	5121	Strand	-
Start	1	End	632
Name	OJ990423_03.9C03.C24.o1.tw	Method	TBLASTX:Wheat
Start	82	End	531
GI	none	Score	55
Exons	82..384, 86..274, 122..241, 205..531		

Seq. No.	2455	Seq. ID	OJ990423_03.9C03.C24
Gene No.	5121	Strand	-
Start	1	End	632
Name	OJ990423_03.9C03.C24.o1.tm	Method	TBLASTX:Maize
Start	107	End	519
GI	none	Score	67
Exons	107..214, 175..495, 178..519, 184..516		

Seq. No.	2455	Seq. ID	OJ990423_03.9C03.C24
Gene No.	5121	Strand	-
Start	1	End	632
Name	OJ990423_03.9C03.C24.o1.ts	Method	TBLASTX:Soybean
Start	109	End	555
GI	none	Score	68
Exons	109..516, 110..274, 175..453, 178..519, 190..261, 190..519, 199..525, 250..540, 337..555		

Seq. No.	2456	Seq. ID	OJ990423_03.9C03.C25
Gene No.	5122	Strand	+
Start	217	End	537
Name	OJ990423_03.9C03.C25.o1.gs	Method	GENSCAN
Start	217	End	537

GI	none	Score	.53
Exons	217..281, 471..537		

Seq. No.	2456	Seq. ID	OJ990423_03.9C03.C25
Gene No.	5122	Strand	+
Start	217	End	537
Name	OJ990423_03.9C03.C25.o2.np	Method	AAT/NAP
Start	349	End	439
GI	6721561	Score	94
Exons	349..439		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2456	Seq. ID	OJ990423_03.9C03.C25
Gene No.	5123	Strand	-
Start	227	End	617
Name	OJ990423_03.9C03.C25.o1.np	Method	AAT/NAP
Start	227	End	617
GI	4680183	Score	87
Exons	227..316, 594..617		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	2457	Seq. ID	OJ990423_03.9C03.C28
Gene No.	5124	Strand	+
Start	536	End	555
Name	OJ990423_03.9C03.C28.o1.gs	Method	GENSCAN
Start	536	End	555
GI	none	Score	.69
Exons	536..555		

Seq. No.	2458	Seq. ID	OJ990423_03.9C03.C29
Gene No.	5125	Strand	+
Start	76	End	325
Name	OJ990423_03.9C03.C29.o1.gs	Method	GENSCAN
Start	76	End	325
GI	none	Score	.58
Exons	76..325		

Seq. No.	2459	Seq. ID	OJ990423_03.9C03.C30
Gene No.	5126	Strand	-
Start	1	End	734
Name	OJ990423_03.9C03.C30.o1.np	Method	AAT/NAP
Start	1	End	734
GI	6522590	Score	417
Exons	1..292, 386..734		
GI Descrip.	(AL133292) receptor kinase-like protein [Arabidopsis thaliana]		

Seq. No.	2459	Seq. ID	OJ990423_03.9C03.C30
Gene No.	5126	Strand	-
Start	1	End	734
Name	OJ990423_03.9C03.C30.o2.tm	Method	TBLASTX:Maize
Start	4	End	309
GI	none	Score	53
Exons	4..108, 5..106, 114..293, 117..290, 118..294, 217..309		

Seq. No.	2459	Seq. ID	OJ990423_03.9C03.C30
Gene No.	5126	Strand	-
Start	1	End	734
Name	OJ990423_03.9C03.C30.o1.gs	Method	GENSCAN
Start	90	End	506
GI	none	Score	.91
Exons	90..292, 386..506		

Seq. No.	2459	Seq. ID	OJ990423_03.9C03.C30
Gene No.	5126	Strand	-
Start	1	End	734
Name	OJ990423_03.9C03.C30.o1.ts	Method	TBLASTX:Soybean
Start	114	End	642
GI	none	Score	88
Exons	114..293, 118..294, 387..416, 388..417, 432..635, 466..642		

Seq. No.	2459	Seq. ID	OJ990423_03.9C03.C30
Gene No.	5126	Strand	-
Start	1	End	734
Name	OJ990423_03.9C03.C30.o1.tw	Method	TBLASTX:Wheat
Start	196	End	620
GI	none	Score	61
Exons	196..294, 204..293, 387..416, 465..620, 469..552		

Seq. No.	2459	Seq. ID	OJ990423_03.9C03.C30
Gene No.	5126	Strand	-
Start	1	End	734
Name	OJ990423_03.9C03.C30.o1.tm	Method	TBLASTX:Maize
Start	393	End	733
GI	none	Score	99
Exons	393..434, 465..641, 481..612, 664..732, 665..733		

Seq. No.	2460	Seq. ID	OJ990423_03.9C03.C31
Gene No.	5127	Strand	-
Start	15	End	476
Name	OJ990423_03.9C03.C31.o1.gs	Method	GENSCAN
Start	15	End	476
GI	none	Score	.97
Exons	15..123, 226..270, 438..476		

Seq. No.	2461	Seq. ID	OJ990423_03.9C03.C33
Gene No.	5128	Strand	-
Start	62	End	227
Name	OJ990423_03.9C03.C33.o1.gs	Method	GENSCAN
Start	62	End	227
GI	none	Score	.58
Exons	62..227		

Seq. No.	2462	Seq. ID	OJ990423_03.9C03.C34
Gene No.	5129	Strand	-
Start	234	End	627
Name	OJ990423_03.9C03.C34.o1.gs	Method	GENSCAN
Start	234	End	627
GI	none	Score	.81
Exons	234..627		

Seq. No.	2462	Seq. ID	OJ990423_03.9C03.C34
Gene No.	5129	Strand	-
Start	234	End	627
Name	OJ990423_03.9C03.C34.o1.tm	Method	TBLASTX:Maize
Start	263	End	612
GI	none	Score	77
Exons	263..352, 272..331, 340..390, 394..612, 396..575, 397..603,	346..393, 443..610	354..407, 393..518,

Seq. No.	2463	Seq. ID	OJ990713_06.9C03.C1
Gene No.	5130	Strand	+
Start	455	End	576
Name	OJ990713_06.9C03.C1.o1.gs	Method	GENSCAN
Start	455	End	576
GI	none	Score	.77
Exons	455..576		

Seq. No.	2464	Seq. ID	OJ990713_06.9C03.C2
Gene No.	5131	Strand	+
Start	290	End	2098
Name	OJ990713_06.9C03.C2.o1.gs	Method	GENSCAN
Start	290	End	2098
GI	none	Score	.79
Exons	290..871, 945..990, 1055..1153, 1263..2098		

Seq. No.	2464	Seq. ID	OJ990713_06.9C03.C2
Gene No.	5132	Strand	+
Start	19612	End	28318
Name	OJ990713_06.9C03.C2.o2.np	Method	AAT/NAP
Start	19612	End	28151
GI	3894387	Score	1103
Exons	19612..19696, 19788..19919, 20016..20188, 20486..21025, 22183..22463, 26335..26686, 27128..28151		
GI Descrip.	(AF053995) Hcr2-0B [Lycopersicon esculentum]		

Seq. No.	2464	Seq. ID	OJ990713_06.9C03.C2
Gene No.	5132	Strand	+
Start	19612	End	28318
Name	OJ990713_06.9C03.C2.o5.gs	Method	GENSCAN
Start	25250	End	28318
GI	none	Score	.82
Exons	25250..26411, 27024..28318		

Seq. No.	2464	Seq. ID	OJ990713_06.9C03.C2
Gene No.	5133	Strand	+
Start	38872	End	44293
Name	OJ990713_06.9C03.C2.o4.np	Method	AAT/NAP
Start	38872	End	42955
GI	1184077	Score	559
Exons	38872..38939, 39353..39567, 41201..42955		
GI Descrip.	(U42445) Cf-2.2 [Lycopersicon pimpinellifolium]		

Seq. No.	2464	Seq. ID	OJ990713_06.9C03.C2
Gene No.	5133	Strand	+
Start	38872	End	44293
Name	OJ990713_06.9C03.C2.o8.gs	Method	GENSCAN
Start	39026	End	44206

GI	none	Score	.51
Exons	39026..39290, 39388..39503, 39946..40352, 40559..40760, 41402..41660, 42946..43058, 43155..43251, 43986..44206		

Seq. No.	2464	Seq. ID	OJ990713_06.9C03.C2
Gene No.	5133	Strand	+
Start	38872	End	44293
Name	OJ990713_06.9C03.C2.o6.np	Method	AAT/NAP
Start	40454	End	43293
GI	6606570	Score	337
Exons	40454..40489, 41273..41419, 41495..41817, 42465..43090, 43193..43293		
GI Descrip.	(AF215729) unknown [Glycine max]		

Seq. No.	2464	Seq. ID	OJ990713_06.9C03.C2
Gene No.	5133	Strand	+
Start	38872	End	44293
Name	OJ990713_06.9C03.C2.o5.np	Method	AAT/NAP
Start	41273	End	43217
GI	4235641	Score	445
Exons	41273..41982, 42423..43059, 43102..43217		
GI Descrip.	(AF119040) NL0D [Lycopersicon esculentum]		

Seq. No.	2464	Seq. ID	OJ990713_06.9C03.C2
Gene No.	5133	Strand	+
Start	38872	End	44293
Name	OJ990713_06.9C03.C2.o3.gp	Method	AAT/GAP
Start	43348	End	43751
GI	4968598	Score	720
Exons	43348..43751		

Seq. No.	2464	Seq. ID	OJ990713_06.9C03.C2
Gene No.	5133	Strand	+
Start	38872	End	44293
Name	OJ990713_06.9C03.C2.o7.np	Method	AAT/NAP
Start	43927	End	44293
GI	6539588	Score	238
Exons	43927..44293		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	2464	Seq. ID	OJ990713_06.9C03.C2
Gene No.	5134	Strand	-
Start	2350	End	14525
Name	OJ990713_06.9C03.C2.o2.gs	Method	GENSCAN
Start	2350	End	14525
GI	none	Score	.92
Exons	2350..2433, 2673..2784, 3058..3191, 3955..4060, 4457..8406, 8541..11111, 11319..13381, 13416..13602, 13782..14058, 14428..14525		

Seq. No.	2464	Seq. ID	OJ990713_06.9C03.C2
Gene No.	5134	Strand	-
Start	2350	End	14525
Name	OJ990713_06.9C03.C2.o1.np	Method	AAT/NAP
Start	4435	End	7593
GI	5902445	Score	1526
Exons	4435..6152, 6180..6239, 6275..7593		

GI Descrip. (AB030283) GAG-POL precursor [Oryza sativa]

Seq. No.	2464	Seq. ID	OJ990713_06.9C03.C2
Gene No.	5135	Strand	-
Start	29214	End	30128
Name	OJ990713_06.9C03.C2.o6.gs	Method	GENSCAN
Start	29214	End	30128
GI	none	Score	.9
Exons	29214..29678, 29949..30128		

Seq. No.	2464	Seq. ID	OJ990713_06.9C03.C2
Gene No.	5136	Strand	-
Start	32517	End	42955
Name	OJ990713_06.9C03.C2.o1.tw	Method	TBLASTX:Wheat
Start	4450	End	4863
GI	none	Score	92
Exons	4450..4863, 4511..4660, 4781..4855		

Seq. No.	2464	Seq. ID	OJ990713_06.9C03.C2
Gene No.	5136	Strand	-
Start	32517	End	42955
Name	OJ990713_06.9C03.C2.o6.ts	Method	TBLASTX:Soybean
Start	4645	End	4872
GI	none	Score	189
Exons	4645..4872		

Seq. No.	2464	Seq. ID	OJ990713_06.9C03.C2
Gene No.	5136	Strand	-
Start	32517	End	42955
Name	OJ990713_06.9C03.C2.o5.tw	Method	TBLASTX:Wheat
Start	4894	End	5259
GI	none	Score	186
Exons	4894..5259		

Seq. No.	2464	Seq. ID	OJ990713_06.9C03.C2
Gene No.	5136	Strand	-
Start	32517	End	42955
Name	OJ990713_06.9C03.C2.o4.ts	Method	TBLASTX:Soybean
Start	5017	End	5406
GI	none	Score	116
Exons	5017..5406, 5084..5305		

Seq. No.	2464	Seq. ID	OJ990713_06.9C03.C2
Gene No.	5136	Strand	-
Start	32517	End	42955
Name	OJ990713_06.9C03.C2.o4.tm	Method	TBLASTX:Maize
Start	5248	End	5547
GI	none	Score	208
Exons	5248..5547		

Seq. No.	2464	Seq. ID	OJ990713_06.9C03.C2
Gene No.	5136	Strand	-
Start	32517	End	42955
Name	OJ990713_06.9C03.C2.o6.tw	Method	TBLASTX:Wheat
Start	5272	End	5547
GI	none	Score	184
Exons	5272..5547		

Seq. No.	2464	Seq. ID	OJ990713_06.9C03.C2
Gene No.	5136	Strand	-
Start	32517	End	42955
Name	OJ990713_06.9C03.C2.o5.ts	Method	TBLASTX:Soybean
Start	5962	End	6432
GI	none	Score	66
Exons	5962..6090, 6035..6088, 6187..6225, 6289..6432		

Seq. No.	2464	Seq. ID	OJ990713_06.9C03.C2
Gene No.	5136	Strand	-
Start	32517	End	42955
Name	OJ990713_06.9C03.C2.o2.ts	Method	TBLASTX:Soybean
Start	6520	End	7050
GI	none	Score	107
Exons	6520..6591, 6571..7050, 6590..6751, 6914..7006		

Seq. No.	2464	Seq. ID	OJ990713_06.9C03.C2
Gene No.	5136	Strand	-
Start	32517	End	42955
Name	OJ990713_06.9C03.C2.o2.tw	Method	TBLASTX:Wheat
Start	6676	End	7092
GI	none	Score	101
Exons	6676..7092, 6677..6823, 6703..6954, 6920..6991		

Seq. No.	2464	Seq. ID	OJ990713_06.9C03.C2
Gene No.	5136	Strand	-
Start	32517	End	42955
Name	OJ990713_06.9C03.C2.o2.tm	Method	TBLASTX:Maize
Start	6769	End	7197
GI	none	Score	114
Exons	6769..7197, 6874..7188		

Seq. No.	2464	Seq. ID	OJ990713_06.9C03.C2
Gene No.	5136	Strand	-
Start	32517	End	42955
Name	OJ990713_06.9C03.C2.o3.tm	Method	TBLASTX:Maize
Start	7267	End	7477
GI	none	Score	131
Exons	7267..7476, 7295..7477		

Seq. No.	2464	Seq. ID	OJ990713_06.9C03.C2
Gene No.	5136	Strand	-
Start	32517	End	42955
Name	OJ990713_06.9C03.C2.o3.tw	Method	TBLASTX:Wheat
Start	7267	End	7641
GI	none	Score	158
Exons	7267..7641, 7283..7597		

Seq. No.	2464	Seq. ID	OJ990713_06.9C03.C2
Gene No.	5136	Strand	-
Start	32517	End	42955
Name	OJ990713_06.9C03.C2.o3.ts	Method	TBLASTX:Soybean
Start	8718	End	9137
GI	none	Score	251
Exons	8718..9137		

Seq. No.	2464	Seq. ID	OJ990713_06.9C03.C2
Gene No.	5136	Strand	-
Start	32517	End	42955
Name	OJ990713_06.9C03.C2.o1.tm	Method	TBLASTX:Maize
Start	20054	End	42774
GI	none	Score	72
Exons	20054..20233, 20672..20956, 20813..20944, 21485..21562, 21486..21962, 21487..21963, 21957..22031, 21961..22032, 22327..22458, 26276..26560, 27103..27213, 27104..27214, 27215..27586, 27230..27589, 27575..27646, 27935..28069, 41300..41512, 41666..41803, 41846..41998, 42349..42495, 42604..42774		

Seq. No.	2464	Seq. ID	OJ990713_06.9C03.C2
Gene No.	5136	Strand	-
Start	32517	End	42955
Name	OJ990713_06.9C03.C2.o1.ts	Method	TBLASTX:Soybean
Start	20069	End	42955
GI	none	Score	76
Exons	20069..20212, 20093..20212, 20498..20911, 20612..20872, 20639..20947, 20672..21010, 20750..21010, 20888..21031, 21184..21321, 21232..21312, 21421..21492, 21463..21687, 21556..21639, 21667..21729, 21673..21927, 21682..21945, 21685..21951, 21694..21939, 21979..22035, 22129..22458, 22179..22457, 22186..22290, 22210..22509, 22282..22512, 22453..22548, 22479..22550, 26066..26236, 26096..26236, 26243..26542, 26276..26614, 26279..26446, 26354..26614, 26474..26686, 26492..26686, 26570..26860, 26882..26935, 27029..27199, 27185..27271, 27221..27322, 27272..27541, 27296..27559, 27296..27529, 27308..27553, 27356..27559, 27389..27592, 27596..27652, 27740..28156, 27754..28167, 27797..27913, 27815..28066, 27821..28096, 27836..27994, 27878..28069, 27878..27988, 27893..28135, 41237..41485, 41240..41425, 41270..41485, 41315..41494, 41339..41716, 41492..41791, 41666..41935, 41741..41935, 41819..42100, 42128..42184, 42274..42444, 42274..42312, 42337..42477, 42538..42780, 42610..42780, 42613..42780, 42619..42780, 42634..42780, 42782..42955, 42783..42953		

Seq. No.	2464	Seq. ID	OJ990713_06.9C03.C2
Gene No.	5136	Strand	-
Start	32517	End	42955
Name	OJ990713_06.9C03.C2.o1.tc	Method	TBLASTX:Cress
Start	20075	End	42950
GI	none	Score	79
Exons	20075..20185, 20081..20218, 20084..20218, 20102..20218, 20498..20962, 20498..21031, 20555..21010, 20558..21013, 20558..21013, 20564..21028, 20687..21025, 20711..21031, 20711..21043, 20759..21031, 20828..21031, 20831..21046, 20891..21022, 21091..21144, 21421..21489, 21472..21672, 21475..21654, 21517..21666, 21529..21654, 21559..21654, 21667..21945, 21676..21945, 21694..21945, 21694..21954, 21997..22041, 22153..22464, 22159..22512, 22186..22458, 22201..22332, 22201..22542, 22204..22461, 22204..22455, 22204..22509, 22204..22458, 22219..22458, 22273..22458, 22276..22479, 22336..22542, 22459..22554, 25679..25747, 25982..26185, 25985..26236, 25988..26236, 25988..26236,		

26024..26236, 26066..26686, 26276..26686, 26282..26617,
26309..26686, 26315..26695, 27020..27067, 27020..27148,
27089..27214, 27092..27211, 27092..27271, 27218..27271,
27224..27280, 27227..27271, 27272..27475, 27296..27346,
27299..27574, 27299..27559, 27308..27577, 27380..27604,
27611..27646, 27764..28072, 27794..28102, 27797..27922,
27809..28075, 27812..27943, 27812..28132, 27815..28066,
27815..28066, 27815..28069, 27827..28135, 27884..28132,
27887..28135, 27956..28132, 28004..28183, 41228..41494,
41243..41485, 41243..41425, 41252..41935, 41273..41362,
41306..41440, 41378..41935, 41558..41935, 41561..41935,
41564..41935, 41564..41944, 41681..41956, 41744..41935,
41912..42001, 42577..42780, 42592..42780, 42597..42764,
42610..42780, 42610..42744, 42610..42777, 42613..42780,
42613..42780, 42613..42780, 42613..42780, 42682..42780,
42783..42899, 42783..42914, 42783..42866, 42819..42950

Seq. No.	2464	Seq. ID	OJ990713_06.9C03.C2
Gene No.	5136	Strand	-
Start	32517	End	42955
Name	OJ990713_06.9C03.C2.o4.tw	Method	TBLASTX:Wheat
Start	21673	End	42780
GI	none	Score	102
Exons	21673..21945, 22147..22536, 26057..26236, 27758..28120, 27940..28068, 42565..42780		

Seq. No.	2464	Seq. ID	OJ990713_06.9C03.C2
Gene No.	5136	Strand	-
Start	32517	End	42955
Name	OJ990713_06.9C03.C2.o1.gp	Method	AAT/GAP
Start	32168	End	32596
GI	5056024	Score	757
Exons	32168..32596		
GI Descrip.	4062935/dbj|AB003495.1|AB003495 3.0e-14 Oryza sativa DNA for dihydroflavonol 4-reductase, complete cds		

Seq. No.	2464	Seq. ID	OJ990713_06.9C03.C2
Gene No.	5136	Strand	-
Start	32517	End	42955
Name	OJ990713_06.9C03.C2.o3.np	Method	AAT/NAP
Start	32511	End	33386
GI	132577	Score	631
Exons	32511..32621, 32651..33386		
GI Descrip.	PROTEIN SYNTHESIS INHIBITOR I (RIBOSOME-INACTIVATING PROTEIN I) (RRNA N-GLYCOSIDASE) gi|100556|pir||B38664 30K ribosome inactivating protein - barley gi|167032 (M62905) ribosome-inactivating protein [Hordeum vulgare]		

Seq. No.	2464	Seq. ID	OJ990713_06.9C03.C2
Gene No.	5136	Strand	-
Start	32517	End	42955
Name	OJ990713_06.9C03.C2.o7.gs	Method	GENSCAN
Start	32517	End	34866
GI	none	Score	.41
Exons	32517..33389, 33572..33619, 34474..34866		

Seq. No.	2464	Seq. ID	OJ990713_06.9C03.C2

Gene No.	5136	Strand	-
Start	32517	End	42955
Name	OJ990713_06.9C03.C2.o2.gp	Method	AAT/GAP
Start	32968	End	33429
GI	12800_1.R1084	Score	874
Exons	32968..33429		
GI Descrip.	'132580/sp|P04399|RIP2_HORVU 3.0e-24 PROTEIN SYNTHESIS INHIBITOR II (RIBOSOME-INACTIVATING PROTEIN II) (RRNA N-GLYCOSIDASE) >gi_72360_pir__RLBH protein synthesis inhibitor II - barley >gi_225420_prf__1303209A translation inhibitor II [Hordeum vulgare var. distichum]'		

Seq. No.	2465	Seq. ID	OJ990713_06.9C03.C3
Gene No.	5137	Strand	+
Start	1	End	3529
Name	OJ990713_06.9C03.C3.o1.np	Method	AAT/NAP
Start	1	End	3529
GI	1184075	Score	909
Exons	1..164, 303..1122, 1564..2548, 3491..3529		
GI Descrip.	(U42444) Cf-2.1 [Lycopersicon pimpinellifolium] gi|1587673|prf||2207203A Cf-2 gene [Lycopersicon esculentum]		

Seq. No.	2465	Seq. ID	OJ990713_06.9C03.C3
Gene No.	5137	Strand	+
Start	1	End	3529
Name	OJ990713_06.9C03.C3.o1.ts	Method	TBLASTX:Soybean
Start	350	End	2532
GI	none	Score	99
Exons	350..550, 362..493, 440..610, 464..694, 509..601, 664..780, 866..1060, 1166..1246, 1256..1312, 1397..1495, 1562..1657, 1595..1648, 1601..1699, 1658..1906, 1658..1795, 1664..1924, 1673..1939, 1685..1930, 1970..2080, 2090..2530, 2128..2532, 2171..2230, 2171..2287, 2186..2446, 2189..2440, 2195..2449, 2252..2362		

Seq. No.	2465	Seq. ID	OJ990713_06.9C03.C3
Gene No.	5137	Strand	+
Start	1	End	3529
Name	OJ990713_06.9C03.C3.o1.tc	Method	TBLASTX:Cress
Start	365	End	2449
GI	none	Score	120
Exons	365..610, 431..556, 437..610, 815..1057, 1421..1582, 1577..1804, 1595..1657, 1622..1942, 1676..1720, 2162..2314, 2171..2443, 2186..2443, 2189..2377, 2203..2376, 2240..2374, 2258..2374, 2261..2449, 2315..2446, 2315..2449, 2387..2449		

Seq. No.	2465	Seq. ID	OJ990713_06.9C03.C3
Gene No.	5137	Strand	+
Start	1	End	3529
Name	OJ990713_06.9C03.C3.o1.tw	Method	TBLASTX:Wheat
Start	428	End	2443
GI	none	Score	77
Exons	428..694, 2114..2443, 2296..2442		

Seq. No.	2465	Seq. ID	OJ990713_06.9C03.C3
Gene No.	5137	Strand	+
Start	1	End	3529

Name	OJ990713_06.9C03.C3.o1.tm	Method	TBLASTX:Maize
Start	431	End	2443
GI	none	Score	72
Exons	431..610, 965..1060, 1481..1591, 1481..1591, 1482..1592, 1579..1701, 1592..1957, 1613..1936, 1741..1956, 1952..2023, 1955..2023, 2198..2308, 2312..2443		

Seq. No.	2466	Seq. ID	OJ990713_06.9C03.C4
Gene No.	5138	Strand	+
Start	335	End	408
Name	OJ990713_06.9C03.C4.o1.gs	Method	GENSCAN
Start	335	End	408
GI	none	Score	1
Exons	335..408		

Seq. No.	2467	Seq. ID	OJ990713_06.9C03.C5
Gene No.	5139	Strand	+
Start	1012	End	1638
Name	OJ990713_06.9C03.C5.o1.gs	Method	GENSCAN
Start	1012	End	1638
GI	none	Score	.76
Exons	1012..1066, 1565..1638		

Seq. No.	2467	Seq. ID	OJ990713_06.9C03.C5
Gene No.	5140	Strand	+
Start	2220	End	3001
Name	OJ990713_06.9C03.C5.o2.np	Method	AAT/NAP
Start	2220	End	3001
GI	6002794	Score	1252
Exons	2220..3001		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	2467	Seq. ID	OJ990713_06.9C03.C5
Gene No.	5141	Strand	+
Start	3531	End	8038
Name	OJ990713_06.9C03.C5.o3.np	Method	AAT/NAP
Start	3531	End	8035
GI	4539660	Score	4393
Exons	3531..4592, 4680..8035		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	2467	Seq. ID	OJ990713_06.9C03.C5
Gene No.	5141	Strand	+
Start	3531	End	8038
Name	OJ990713_06.9C03.C5.o3.gs	Method	GENSCAN
Start	4331	End	8038
GI	none	Score	.99
Exons	4331..8038		

Seq. No.	2467	Seq. ID	OJ990713_06.9C03.C5
Gene No.	5142	Strand	-
Start	1	End	1080
Name	OJ990713_06.9C03.C5.o1.np	Method	AAT/NAP
Start	1	End	1080
GI	6907088	Score	564
Exons	1..37, 530..767, 943..1080		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	2467	Seq. ID	OJ990713_06.9C03.C5
Gene No.	5143	Strand	-
Start	9380	End	10123
Name	OJ990713_06.9C03.C5.o8.tw	Method	TBLASTX:Wheat
Start	3711	End	4088
GI	none	Score	255
Exons	3711..4088, 3728..3829		

Seq. No.	2467	Seq. ID	OJ990713_06.9C03.C5
Gene No.	5143	Strand	-
Start	9380	End	10123
Name	OJ990713_06.9C03.C5.o6.tm	Method	TBLASTX:Maize
Start	3969	End	4369
GI	none	Score	127
Exons	3969..4127, 4121..4369		

Seq. No.	2467	Seq. ID	OJ990713_06.9C03.C5
Gene No.	5143	Strand	-
Start	9380	End	10123
Name	OJ990713_06.9C03.C5.o7.tm	Method	TBLASTX:Maize
Start	4678	End	5004
GI	none	Score	206
Exons	4678..4791, 4679..5002, 4685..4819, 4921..5004		

Seq. No.	2467	Seq. ID	OJ990713_06.9C03.C5
Gene No.	5143	Strand	-
Start	9380	End	10123
Name	OJ990713_06.9C03.C5.o7.tw	Method	TBLASTX:Wheat
Start	4684	End	5083
GI	none	Score	162
Exons	4684..4839, 4685..4906, 4915..5034, 4919..5083		

Seq. No.	2467	Seq. ID	OJ990713_06.9C03.C5
Gene No.	5143	Strand	-
Start	9380	End	10123
Name	OJ990713_06.9C03.C5.o8.tm	Method	TBLASTX:Maize
Start	5102	End	5299
GI	none	Score	199
Exons	5102..5299, 5152..5298		

Seq. No.	2467	Seq. ID	OJ990713_06.9C03.C5
Gene No.	5143	Strand	-
Start	9380	End	10123
Name	OJ990713_06.9C03.C5.o4.tw	Method	TBLASTX:Wheat
Start	5230	End	5713
GI	none	Score	542
Exons	5230..5685, 5231..5713, 5258..5704		

Seq. No.	2467	Seq. ID	OJ990713_06.9C03.C5
Gene No.	5143	Strand	-
Start	9380	End	10123
Name	OJ990713_06.9C03.C5.o3.tm	Method	TBLASTX:Maize
Start	5300	End	5767
GI	none	Score	381
Exons	5300..5767, 5371..5730		

Seq. No.	2467	Seq. ID	OJ990713_06.9C03.C5
Gene No.	5143	Strand	-
Start	9380	End	10123
Name	OJ990713_06.9C03.C5.o1.ts	Method	TBLASTX:Soybean
Start	5654	End	6049
GI	none	Score	56
Exons	5654..5686, 5654..5686, 5671..5763, 5690..6049, 5690..5998, 5821..6021		

Seq. No.	2467	Seq. ID	OJ990713_06.9C03.C5
Gene No.	5143	Strand	-
Start	9380	End	10123
Name	OJ990713_06.9C03.C5.o6.tw	Method	TBLASTX:Wheat
Start	5762	End	6058
GI	none	Score	357
Exons	5762..6058, 5812..6021		

Seq. No.	2467	Seq. ID	OJ990713_06.9C03.C5
Gene No.	5143	Strand	-
Start	9380	End	10123
Name	OJ990713_06.9C03.C5.o5.tm	Method	TBLASTX:Maize
Start	5783	End	6130
GI	none	Score	300
Exons	5783..6130, 5809..5985		

Seq. No.	2467	Seq. ID	OJ990713_06.9C03.C5
Gene No.	5143	Strand	-
Start	9380	End	10123
Name	OJ990713_06.9C03.C5.o2.tw	Method	TBLASTX:Wheat
Start	6064	End	6490
GI	none	Score	606
Exons	6064..6453, 6065..6490, 6122..6475		

Seq. No.	2467	Seq. ID	OJ990713_06.9C03.C5
Gene No.	5143	Strand	-
Start	9380	End	10123
Name	OJ990713_06.9C03.C5.o3.ts	Method	TBLASTX:Soybean
Start	6071	End	6316
GI	none	Score	213
Exons	6071..6316		

Seq. No.	2467	Seq. ID	OJ990713_06.9C03.C5
Gene No.	5143	Strand	-
Start	9380	End	10123
Name	OJ990713_06.9C03.C5.o2.tm	Method	TBLASTX:Maize
Start	6137	End	6490
GI	none	Score	474
Exons	6137..6490, 6139..6438		

Seq. No.	2467	Seq. ID	OJ990713_06.9C03.C5
Gene No.	5143	Strand	-
Start	9380	End	10123
Name	OJ990713_06.9C03.C5.o3.tw	Method	TBLASTX:Wheat
Start	6533	End	7057
GI	none	Score	581
Exons	6533..7057, 6685..7053		

Seq. No.	2467	Seq. ID	OJ990713_06.9C03.C5
Gene No.	5143	Strand	-
Start	9380	End	10123
Name	OJ990713_06.9C03.C5.o1.tc	Method	TBLASTX:Cress
Start	6764	End	7081
GI	none	Score	101
Exons	6764..6937, 6785..6937, 6938..7081, 6940..7065		

Seq. No.	2467	Seq. ID	OJ990713_06.9C03.C5
Gene No.	5143	Strand	-
Start	9380	End	10123
Name	OJ990713_06.9C03.C5.o2.ts	Method	TBLASTX:Soybean
Start	6850	End	7105
GI	none	Score	301
Exons	6850..7095, 6857..7105, 6977..7105		

Seq. No.	2467	Seq. ID	OJ990713_06.9C03.C5
Gene No.	5143	Strand	-
Start	9380	End	10123
Name	OJ990713_06.9C03.C5.o4.tm	Method	TBLASTX:Maize
Start	6903	End	7195
GI	none	Score	75
Exons	6903..7037, 6905..7195, 6916..7095, 7147..7191		

Seq. No.	2467	Seq. ID	OJ990713_06.9C03.C5
Gene No.	5143	Strand	-
Start	9380	End	10123
Name	OJ990713_06.9C03.C5.o1.tw	Method	TBLASTX:Wheat
Start	7064	End	7690
GI	none	Score	675
Exons	7064..7690, 7127..7405, 7159..7566		

Seq. No.	2467	Seq. ID	OJ990713_06.9C03.C5
Gene No.	5143	Strand	-
Start	9380	End	10123
Name	OJ990713_06.9C03.C5.o1.tm	Method	TBLASTX:Maize
Start	7247	End	7840
GI	none	Score	221
Exons	7247..7405, 7252..7398, 7402..7545, 7403..7840, 7621..7830, 7745..7840		

Seq. No.	2467	Seq. ID	OJ990713_06.9C03.C5
Gene No.	5143	Strand	-
Start	9380	End	10123
Name	OJ990713_06.9C03.C5.o5.tw	Method	TBLASTX:Wheat
Start	7691	End	8023
GI	none	Score	360
Exons	7691..8023, 7730..8002		

Seq. No.	2467	Seq. ID	OJ990713_06.9C03.C5
Gene No.	5143	Strand	-
Start	9380	End	10123
Name	OJ990713_06.9C03.C5.o9.tm	Method	TBLASTX:Maize
Start	7847	End	8008
GI	none	Score	183
Exons	7847..8005, 7850..8008		

Seq. No.	2467	Seq. ID	OJ990713_06.9C03.C5
Gene No.	5143	Strand	-
Start	9380	End	10123
Name	OJ990713_06.9C03.C5.o4.np	Method	AAT/NAP
Start	8230	End	10123
GI	6907086	Score	1173
Exons	8230..8380, 8516..8671, 8710..8817, 9049..9290, 9352..10123		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	2467	Seq. ID	OJ990713_06.9C03.C5
Gene No.	5143	Strand	-
Start	9380	End	10123
Name	OJ990713_06.9C03.C5.o4.gs	Method	GENSCAN
Start	9380	End	9820
GI	none	Score	.73
Exons	9380..9531, 9539..9820		

Seq. No.	2468	Seq. ID	OJ990713_06.9C03.C6
Gene No.	5144	Strand	+
Start	1	End	1574
Name	OJ990713_06.9C03.C6.o1.np	Method	AAT/NAP
Start	1	End	1377
GI	6630696	Score	2227
Exons	1..1377		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	2468	Seq. ID	OJ990713_06.9C03.C6
Gene No.	5144	Strand	+
Start	1	End	1574
Name	OJ990713_06.9C03.C6.o1.tc	Method	TBLASTX:Cress
Start	12	End	224
GI	none	Score	228
Exons	12..224, 13..174		

Seq. No.	2468	Seq. ID	OJ990713_06.9C03.C6
Gene No.	5144	Strand	+
Start	1	End	1574
Name	OJ990713_06.9C03.C6.o1.ts	Method	TBLASTX:Soybean
Start	14	End	311
GI	5509260	Score	265
Exons	14..196, 15..311		
GI Descrip.	-		

Seq. No.	2468	Seq. ID	OJ990713_06.9C03.C6
Gene No.	5144	Strand	+
Start	1	End	1574
Name	OJ990713_06.9C03.C6.o1.tm	Method	TBLASTX:Maize
Start	15	End	478
GI	none	Score	280
Exons	15..311, 28..87, 150..230, 266..358, 317..478		

Seq. No.	2468	Seq. ID	OJ990713_06.9C03.C6
Gene No.	5144	Strand	+
Start	1	End	1574
Name	OJ990713_06.9C03.C6.o2.tw	Method	TBLASTX:Wheat

Start	15	End	765
GI	none	Score	265
Exons	15..308, 32..196, 317..358, 353..553, 496..549, 712..765		

Seq. No.	2468	Seq. ID	OJ990713_06.9C03.C6
Gene No.	5144	Strand	+
Start	1	End	1574
Name	OJ990713_06.9C03.C6.o1.gs	Method	GENSCAN
Start	145	End	1380
GI	none	Score	.65
Exons	145..252, 354..478, 829..1380		

Seq. No.	2468	Seq. ID	OJ990713_06.9C03.C6
Gene No.	5144	Strand	+
Start	1	End	1574
Name	OJ990713_06.9C03.C6.o3.ts	Method	TBLASTX:Soybean
Start	412	End	750
GI	none	Score	139
Exons	412..576, 413..571, 572..646, 645..743, 649..750		

Seq. No.	2468	Seq. ID	OJ990713_06.9C03.C6
Gene No.	5144	Strand	+
Start	1	End	1574
Name	OJ990713_06.9C03.C6.o2.tm	Method	TBLASTX:Maize
Start	562	End	910
GI	none	Score	299
Exons	562..645, 648..908, 649..909, 662..910		

Seq. No.	2468	Seq. ID	OJ990713_06.9C03.C6
Gene No.	5144	Strand	+
Start	1	End	1574
Name	OJ990713_06.9C03.C6.o2.ts	Method	TBLASTX:Soybean
Start	754	End	1128
GI	none	Score	117
Exons	754..885, 903..1034, 904..1128		

Seq. No.	2468	Seq. ID	OJ990713_06.9C03.C6
Gene No.	5144	Strand	+
Start	1	End	1574
Name	OJ990713_06.9C03.C6.o1.tw	Method	TBLASTX:Wheat
Start	766	End	1239
GI	none	Score	98
Exons	766..840, 767..826, 771..839, 849..1229, 855..1235, 856..1239		

Seq. No.	2468	Seq. ID	OJ990713_06.9C03.C6
Gene No.	5144	Strand	+
Start	1	End	1574
Name	OJ990713_06.9C03.C6.o3.tm	Method	TBLASTX:Maize
Start	1251	End	1574
GI	none	Score	87
Exons	1251..1340, 1251..1340, 1252..1341, 1253..1342, 1380..1544, 1386..1475, 1390..1482, 1391..1483, 1530..1574, 1537..1572		

Seq. No.	2469	Seq. ID	OJ990713_06.9C03.C7
Gene No.	5145	Strand	+
Start	8542	End	8639
Name	OJ990713_06.9C03.C7.o1.gp	Method	AAT/GAP

Start	8542	End	8639
GI	5867_1.R1084	Score	138
Exons	8542..8639		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	2469	Seq. ID	OJ990713_06.9C03.C7
Gene No.	5146	Strand	-
Start	170	End	7034
Name	OJ990713_06.9C03.C7.o1.gs	Method	GENSCAN
Start	170	End	7034
GI	none	Score	.68
Exons	170..499, 805..1122, 2725..2911, 2954..3366, 3747..5627, 5735..7034		

Seq. No.	2469	Seq. ID	OJ990713_06.9C03.C7
Gene No.	5146	Strand	-
Start	170	End	7034
Name	OJ990713_06.9C03.C7.o1.np	Method	AAT/NAP
Start	2602	End	7019
GI	1076581	Score	992
Exons	2602..2656, 3789..4931, 5007..5104, 5342..5598, 5709..5945, 6153..6293, 6460..7019		
GI Descrip.	cf-9 protein precursor - tomato gi|563233 (U15936) Cf-9 precursor [Lycopersicon pimpinellifolium] gi|2792186|emb|CAA05274| (AJ002236) Cf-9 [Lycopersicon pimpinellifolium]		

Seq. No.	2469	Seq. ID	OJ990713_06.9C03.C7
Gene No.	5147	Strand	-
Start	9169	End	9315
Name	OJ990713_06.9C03.C7.o1.ts	Method	TBLASTX:Soybean
Start	3919	End	6380
GI	none	Score	174
Exons	3919..4335, 3920..4285, 4003..4110, 4006..4263, 4009..4275, 4378..4479, 4513..4776, 4516..4965, 4516..4773, 4522..4635, 4738..4974, 4783..4848, 4810..4914, 5077..5517, 5386..5517, 5401..5508, 5545..5628, 5709..5915, 5733..5846, 5733..5915, 5733..5885, 5931..6128, 5982..6113, 6297..6380		

Seq. No.	2469	Seq. ID	OJ990713_06.9C03.C7
Gene No.	5147	Strand	-
Start	9169	End	9315
Name	OJ990713_06.9C03.C7.o1.tw	Method	TBLASTX:Wheat
Start	3931	End	5622
GI	none	Score	67
Exons	3931..3969, 3944..4192, 3958..4335, 4729..4983, 5164..5250, 5401..5517, 5509..5622		

Seq. No.	2469	Seq. ID	OJ990713_06.9C03.C7
Gene No.	5147	Strand	-
Start	9169	End	9315

Name	OJ990713_06.9C03.C7.o1.tm	Method	TBLASTX:Maize
Start	4003	End	5906
GI	none	Score	140
Exons	4003..4125, 4006..4197, 4006..4134, 4147..4311, 4213..4275, 4420..4779, 4433..4768, 4783..4971, 5092..5253, 5793..5906		

Seq. No.	2469	Seq. ID	OJ990713_06.9C03.C7
Gene No.	5147	Strand	-
Start	9169	End	9315
Name	OJ990713_06.9C03.C7.o1.tc	Method	TBLASTX:Cress
Start	4057	End	5631
GI	none	Score	74
Exons	4057..4179, 4150..4251, 4153..4203, 4165..4293, 4213..4263, 4555..4632, 4576..4695, 4726..4851, 4792..4920, 5017..5127, 5161..5289, 5479..5631		

Seq. No.	2469	Seq. ID	OJ990713_06.9C03.C7
Gene No.	5147	Strand	-
Start	9169	End	9315
Name	OJ990713_06.9C03.C7.o2.gs	Method	GENSCAN
Start	9169	End	9315
GI	none	Score	.73
Exons	9169..9315		

Seq. No.	2470	Seq. ID	OJ990713_06.9C03.C8
Gene No.	5148	Strand	+
Start	2035	End	6662
Name	OJ990713_06.9C03.C8.o2.np	Method	AAT/NAP
Start	2035	End	6662
GI	6635236	Score	274
Exons	2035..2061, 3312..4158, 5872..6018, 6606..6662		
GI Descrip.	(AB029327) elicitor-inducible receptor-like protein EIR [Nicotiana tabacum]		

Seq. No.	2470	Seq. ID	OJ990713_06.9C03.C8
Gene No.	5148	Strand	+
Start	2035	End	6662
Name	OJ990713_06.9C03.C8.o2.gp	Method	AAT/GAP
Start	5287	End	5439
GI	2311554	Score	271
Exons	5287..5439		

Seq. No.	2470	Seq. ID	OJ990713_06.9C03.C8
Gene No.	5149	Strand	-
Start	1	End	1928
Name	OJ990713_06.9C03.C8.o1.np	Method	AAT/NAP
Start	1	End	1928
GI	6630696	Score	3165
Exons	1..1928		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	2470	Seq. ID	OJ990713_06.9C03.C8
Gene No.	5149	Strand	-
Start	1	End	1928
Name	OJ990713_06.9C03.C8.o1.gp	Method	AAT/GAP

Start	998	End	1886
GI	101595_1.R1084	Score	1345
Exons	998..1072, 1188..1886		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	2470	Seq. ID	OJ990713_06.9C03.C8
Gene No.	5150	Strand	-
Start	6516	End	6744
Name	OJ990713_06.9C03.C8.o1.tw	Method	TBLASTX:Wheat
Start	92	End	495
GI	none	Score	172
Exons	92..274, 94..273, 247..495, 274..495		

Seq. No.	2470	Seq. ID	OJ990713_06.9C03.C8
Gene No.	5150	Strand	-
Start	6516	End	6744
Name	OJ990713_06.9C03.C8.o1.ts	Method	TBLASTX:Soybean
Start	130	End	351
GI	none	Score	110
Exons	130..351, 134..349		

Seq. No.	2470	Seq. ID	OJ990713_06.9C03.C8
Gene No.	5150	Strand	-
Start	6516	End	6744
Name	OJ990713_06.9C03.C8.o2.tm	Method	TBLASTX:Maize
Start	139	End	603
GI	none	Score	75
Exons	139..603, 164..322		

Seq. No.	2470	Seq. ID	OJ990713_06.9C03.C8
Gene No.	5150	Strand	-
Start	6516	End	6744
Name	OJ990713_06.9C03.C8.o2.ts	Method	TBLASTX:Soybean
Start	361	End	741
GI	none	Score	80
Exons	361..609, 592..741		

Seq. No.	2470	Seq. ID	OJ990713_06.9C03.C8
Gene No.	5150	Strand	-
Start	6516	End	6744
Name	OJ990713_06.9C03.C8.o1.tm	Method	TBLASTX:Maize
Start	689	End	1096
GI	none	Score	46
Exons	689..781, 691..774, 718..783, 748..909, 785..907, 786..953, 787..954, 870..1073, 888..1076, 914..1096, 916..1077		

Seq. No.	2470	Seq. ID	OJ990713_06.9C03.C8
Gene No.	5150	Strand	-
Start	6516	End	6744
Name	OJ990713_06.9C03.C8.o3.tm	Method	TBLASTX:Maize
Start	1577	End	1886
GI	none	Score	64
Exons	1577..1678, 1579..1677, 1677..1886, 1678..1839		

Seq. No.	2470	Seq. ID	OJ990713_06.9C03.C8
Gene No.	5150	Strand	-

Start	6516	End	6744
Name	OJ990713_06.9C03.C8.o2.tw	Method	TBLASTX:Wheat
Start	1639	End	2034
GI	none	Score	34
Exons	1639..1674, 1640..1675, 1674..1898, 1678..1848, 1899..2033, 1936..2034		

Seq. No.	2470	Seq. ID	OJ990713_06.9C03.C8
Gene No.	5150	Strand	-
Start	6516	End	6744
Name	OJ990713_06.9C03.C8.o2.gs	Method	GENSCAN
Start	6516	End	6744
GI	none	Score	.98
Exons	6516..6744		

Seq. No.	2471	Seq. ID	OJ990713_06.9C03.C9
Gene No.	5151	Strand	+
Start	1	End	3460
Name	OJ990713_06.9C03.C9.o1.np	Method	AAT/NAP
Start	1	End	3460
GI	1184077	Score	766
Exons	1..27, 971..1264, 1343..2803, 3320..3460		
GI Descrip.	(U42445) Cf-2.2 [Lycopersicon pimpinellifolium]		

Seq. No.	2471	Seq. ID	OJ990713_06.9C03.C9
Gene No.	5152	Strand	+
Start	10304	End	23629
Name	OJ990713_06.9C03.C9.o3.gs	Method	GENSCAN
Start	10304	End	14349
GI	none	Score	.85
Exons	10304..11774, 14246..14349		

Seq. No.	2471	Seq. ID	OJ990713_06.9C03.C9
Gene No.	5152	Strand	+
Start	10304	End	23629
Name	OJ990713_06.9C03.C9.o4.np	Method	AAT/NAP
Start	10304	End	23629
GI	6682625	Score	965
Exons	10304..10638, 11686..11741, 16369..16613, 19578..19959, 20109..21411, 23605..23629		
GI Descrip.	(AC016163) putative disease resistance protein [Arabidopsis thaliana]		

Seq. No.	2471	Seq. ID	OJ990713_06.9C03.C9
Gene No.	5152	Strand	+
Start	10304	End	23629
Name	OJ990713_06.9C03.C9.o1.gp	Method	AAT/GAP
Start	15175	End	15648
GI	LIB3431-008-P1-K1-B7	Score	919
Exons	15175..15648		
GI Descrip.	'2924785 2.0e-10 (AC002334) similar to disease resistance protein [Arabidopsis thaliana]'		

Seq. No.	2471	Seq. ID	OJ990713_06.9C03.C9
Gene No.	5152	Strand	+
Start	10304	End	23629
Name	OJ990713_06.9C03.C9.o4.gs	Method	GENSCAN

Start	15513	End	17676
GI	none	Score	.47
Exons	15513..16752, 16773..16954, 17158..17676		

Seq. No.	2471	Seq. ID	OJ990713_06.9C03.C9
Gene No.	5152	Strand	+
Start	10304	End	23629
Name	OJ990713_06.9C03.C9.o5.gs	Method	GENSCAN
Start	18591	End	21553
GI	none	Score	.52
Exons	18591..19156, 19984..20131, 20426..21553		

Seq. No.	2471	Seq. ID	OJ990713_06.9C03.C9
Gene No.	5153	Strand	+
Start	31936	End	33312
Name	OJ990713_06.9C03.C9.o8.gs	Method	GENSCAN
Start	31936	End	33312
GI	none	Score	.82
Exons	31936..33312		

Seq. No.	2471	Seq. ID	OJ990713_06.9C03.C9
Gene No.	5154	Strand	-
Start	3938	End	9518
Name	OJ990713_06.9C03.C9.o2.gs	Method	GENSCAN
Start	3938	End	9518
GI	none	Score	.68
Exons	3938..3996, 4094..4294, 4396..4538, 4747..4834, 4944..5132, 5643..5778, 6381..6580, 7068..7198, 7486..8425, 8505..8739, 8907..9042, 9319..9518		

Seq. No.	2471	Seq. ID	OJ990713_06.9C03.C9
Gene No.	5154	Strand	-
Start	3938	End	9518
Name	OJ990713_06.9C03.C9.o2.np	Method	AAT/NAP
Start	3963	End	6964
GI	4836944	Score	238
Exons	3963..4014, 4112..4294, 4396..4573, 6915..6964		
GI Descrip.	(AC006085) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2471	Seq. ID	OJ990713_06.9C03.C9
Gene No.	5154	Strand	-
Start	3938	End	9518
Name	OJ990713_06.9C03.C9.o3.np	Method	AAT/NAP
Start	6111	End	8719
GI	6815107	Score	1980
Exons	6111..6293, 6381..6574, 6654..6837, 7075..7302, 7420..8425, 8505..8719		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	2471	Seq. ID	OJ990713_06.9C03.C9
Gene No.	5155	Strand	-
Start	16667	End	16987
Name	OJ990713_06.9C03.C9.o2.gp	Method	AAT/GAP
Start	16667	End	16987
GI	none	Score	638
Exons	16667..16987		

Seq. No.	2471	Seq. ID	OJ990713_06.9C03.C9
Gene No.	5156	Strand	-
Start	22456	End	22908
Name	OJ990713_06.9C03.C9.o6.gs	Method	GENSCAN
Start	22456	End	22908
GI	none	Score	.6
Exons	22456..22697, 22869..22908		

Seq. No.	2471	Seq. ID	OJ990713_06.9C03.C9
Gene No.	5157	Strand	-
Start	25842	End	34638
Name	OJ990713_06.9C03.C9.o1.tc	Method	TBLASTX:Cress
Start	971	End	34635
GI	none	Score	93
Exons	971..1216, 977..1180, 1352..1426, 1457..1579, 1511..1606, 1511..1579, 1610..1792, 1610..1750, 1610..1756, 1670..2008, 1757..1864, 1814..1867, 1898..2020, 1961..2077, 14958..15080, 15099..15227, 15105..15227, 15381..15455, 15387..15458, 15486..15608, 15540..15635, 15639..15821, 15639..15779, 15639..15785, 15699..16037, 15786..15893, 15843..15896, 15927..16049, 15990..16106, 16344..16496, 16353..16559, 16353..16481, 16371..16625, 16431..16625, 16479..16625, 16491..16625, 20093..20320, 20207..20320, 20348..20686, 20435..20545, 20552..20830, 20852..20938, 21059..21211, 21068..21196, 21086..21340, 21086..21268, 21088..21339, 21143..21346, 21194..21346, 21212..21355, 32320..32454, 32347..32454, 33577..33804, 33583..33870, 33604..33681, 33676..33813, 33682..33804, 33949..34047, 34111..34329, 34273..34338, 34345..34479, 34423..34635, 34471..34632		

Seq. No.	2471	Seq. ID	OJ990713_06.9C03.C9
Gene No.	5157	Strand	-
Start	25842	End	34638
Name	OJ990713_06.9C03.C9.o1.tm	Method	TBLASTX:Maize
Start	1106	End	34638
GI	none	Score	72
Exons	1106..1198, 1622..1801, 1814..2161, 1838..2008, 1918..2070, 11054..11173, 14997..15242, 15651..15830, 15843..16190, 15867..16037, 15947..16099, 16020..16190, 16362..16565, 16497..16625, 19536..19829, 19551..19670, 19599..19736, 19677..19814, 20359..20457, 20360..20845, 20378..20848, 20436..20849, 20837..20911, 20840..20905, 21239..21340, 34069..34182, 34231..34425, 34294..34425, 34410..34547, 34423..34638, 34516..34617		

Seq. No.	2471	Seq. ID	OJ990713_06.9C03.C9
Gene No.	5157	Strand	-
Start	25842	End	34638
Name	OJ990713_06.9C03.C9.o1.ts	Method	TBLASTX:Soybean
Start	1304	End	34635
GI	none	Score	110
Exons	1304..1468, 1349..1426, 1370..1429, 1511..1579, 1511..1612, 1511..1579, 1532..1585, 1610..1735, 1610..1717, 1631..1909, 1664..1876, 1679..2077, 1820..2077, 1961..2071, 2264..2392, 2387..2563, 2388..2522, 2540..2734, 11045..11173, 11066..11341, 11621..11761, 15105..15227, 15105..15224, 15105..15227,		

15108..15254, 15120..15227, 15333..15470, 15378..15467,
15540..15641, 15543..15614, 15549..15605, 15639..15746,
15639..15764, 15660..15938, 15693..15905, 15708..16106,
15849..16106, 15990..16100, 16296..16625, 16301..16732,
16326..16622, 16353..16484, 16377..16625, 16680..16712,
19509..19802, 19536..19874, 19674..19946, 19752..19946,
19787..19939, 19827..20012, 20021..20086, 20048..20188,
20099..20185, 20279..20326, 20357..20530, 20387..20530,
20408..20539, 20540..20668, 20546..20800, 20546..20680,
20549..20821, 20555..20812, 20567..20812, 20626..20811,
20675..20761, 20849..20932, 20861..20989, 20998..21429,
20999..21427, 21056..21172, 21068..21265, 21068..21127,
21074..21337, 21092..21343, 21092..21346, 21149..21265,
21203..21268, 32181..32201, 32332..32454, 32338..32454,
32668..32838, 32695..32838, 32884..32976, 33577..33714,
33682..33804, 33685..33798, 33697..33804, 33742..33783,
33907..34044, 34117..34215, 34219..34479, 34276..34635,
34276..34470, 34282..34542, 34354..34602, 34369..34617,
34567..34617

Seq. No.	2471	Seq. ID	OJ990713_06.9C03.C9
Gene No.	5157	Strand	-
Start	25842	End	34638
Name	OJ990713_06.9C03.C9.o2.tw	Method	TBLASTX:Wheat
Start	1349	End	34635
GI	none	Score	61
Exons	1349..1480, 1610..1792, 2264..2386, 2394..2522, 2552..2656, 15120..15227, 15378..15464, 15639..15821, 16295..16636, 16296..16625, 20348..20539, 21029..21388, 21371..21418, 33697..33795, 33697..33804, 34315..34617, 34498..34635		

Seq. No.	2471	Seq. ID	OJ990713_06.9C03.C9
Gene No.	5157	Strand	-
Start	25842	End	34638
Name	OJ990713_06.9C03.C9.o3.tc	Method	TBLASTX:Cress
Start	2321	End	32871
GI	none	Score	56
Exons	2321..2386, 2358..2450, 2388..2522, 2555..2593, 10916..11029, 10916..11026, 11216..11347, 11408..11518, 11426..11626, 11486..11563, 11540..11761, 11630..11761, 11633..11761, 11633..11761, 18822..18980, 18960..19061, 19500..19955, 19518..19733, 19521..19946, 19533..19946, 19533..19946, 19536..19826, 19539..19895, 19551..19823, 19580..19744, 19581..19877, 19647..19946, 19677..19865, 19772..19879, 32593..32838, 32593..32814, 32644..32838, 32659..32871		

Seq. No.	2471	Seq. ID	OJ990713_06.9C03.C9
Gene No.	5157	Strand	-
Start	25842	End	34638
Name	OJ990713_06.9C03.C9.o6.tm	Method	TBLASTX:Maize
Start	3953	End	4543
GI	none	Score	63
Exons	3953..4015, 3964..4014, 4113..4241, 4396..4542, 4400..4543		

Seq. No.	2471	Seq. ID	OJ990713_06.9C03.C9
Gene No.	5157	Strand	-
Start	25842	End	34638

Name	OJ990713_06.9C03.C9.o3.ts	Method	TBLASTX:Soybean
Start	3964	End	4543
GI	none	Score	146
Exons	3964..4014, 4396..4542, 4400..4543		

Seq. No.	2471	Seq. ID	OJ990713_06.9C03.C9
Gene No.	5157	Strand	-
Start	25842	End	34638
Name	OJ990713_06.9C03.C9.o5.tm	Method	TBLASTX:Maize
Start	6673	End	6900
GI	none	Score	179
Exons	6673..6900, 6674..6898		

Seq. No.	2471	Seq. ID	OJ990713_06.9C03.C9
Gene No.	5157	Strand	-
Start	25842	End	34638
Name	OJ990713_06.9C03.C9.o3.tm	Method	TBLASTX:Maize
Start	6908	End	7356
GI	none	Score	76
Exons	6908..7114, 6910..7212, 7157..7207, 7222..7356, 7223..7327		

Seq. No.	2471	Seq. ID	OJ990713_06.9C03.C9
Gene No.	5157	Strand	-
Start	25842	End	34638
Name	OJ990713_06.9C03.C9.o1.tw	Method	TBLASTX:Wheat
Start	7336	End	7769
GI	none	Score	210
Exons	7336..7449, 7434..7769		

Seq. No.	2471	Seq. ID	OJ990713_06.9C03.C9
Gene No.	5157	Strand	-
Start	25842	End	34638
Name	OJ990713_06.9C03.C9.o2.tm	Method	TBLASTX:Maize
Start	7357	End	7790
GI	none	Score	145
Exons	7357..7440, 7434..7790, 7476..7787		

Seq. No.	2471	Seq. ID	OJ990713_06.9C03.C9
Gene No.	5157	Strand	-
Start	25842	End	34638
Name	OJ990713_06.9C03.C9.o2.ts	Method	TBLASTX:Soybean
Start	7437	End	7943
GI	none	Score	129
Exons	7437..7943, 7740..7904		

Seq. No.	2471	Seq. ID	OJ990713_06.9C03.C9
Gene No.	5157	Strand	-
Start	25842	End	34638
Name	OJ990713_06.9C03.C9.o2.tc	Method	TBLASTX:Cress
Start	7689	End	8030
GI	none	Score	220
Exons	7689..8030		

Seq. No.	2471	Seq. ID	OJ990713_06.9C03.C9
Gene No.	5157	Strand	-
Start	25842	End	34638
Name	OJ990713_06.9C03.C9.o4.tm	Method	TBLASTX:Maize

Start	7791	End	8060
GI	none	Score	97
Exons	7791..8048, 7797..8060		

Seq. No.	2471	Seq. ID	OJ990713_06.9C03.C9
Gene No.	5157	Strand	-
Start	25842	End	34638
Name	OJ990713_06.9C03.C9.o5.np	Method	AAT/NAP
Start	25842	End	27434
GI	6721516	Score	589
Exons	25842..26015, 26452..26791, 27202..27434		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	2472	Seq. ID	OJ990503_06.9C10.C2
Gene No.	5158	Strand	+
Start	47	End	267
Name	OJ990503_06.9C10.C2.o1.gs	Method	GENSCAN
Start	47	End	267
GI	none	Score	.47
Exons	47..267		

Seq. No.	2473	Seq. ID	OJ990503_06.9C10.C3
Gene No.	5159	Strand	+
Start	221	End	319
Name	OJ990503_06.9C10.C3.o1.gs	Method	GENSCAN
Start	221	End	319
GI	none	Score	.99
Exons	221..319		

Seq. No.	2474	Seq. ID	OJ990503_06.9C10.C6
Gene No.	5160	Strand	+
Start	745	End	2457
Name	OJ990503_06.9C10.C6.o1.gs	Method	GENSCAN
Start	745	End	2457
GI	none	Score	.52
Exons	745..861, 1016..1231, 2109..2457		

Seq. No.	2475	Seq. ID	OJ990503_06.9C10.C7
Gene No.	5161	Strand	-
Start	83	End	2035
Name	OJ990503_06.9C10.C7.o1.gs	Method	GENSCAN
Start	83	End	2035
GI	none	Score	.53
Exons	83..331, 1248..1468, 1480..2035		

Seq. No.	2476	Seq. ID	OJ990503_06.9C10.C8
Gene No.	5162	Strand	-
Start	3231	End	3613
Name	OJ990503_06.9C10.C8.o1.np	Method	AAT/NAP
Start	1249	End	1333
GI	6721547	Score	84
Exons	1249..1333		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	2476	Seq. ID	OJ990503_06.9C10.C8
Gene No.	5162	Strand	-
Start	3231	End	3613

Name	OJ990503_06.9C10.C8.o1.gs	Method	GENSCAN
Start	3231	End	3613
GI	none	Score	.68
Exons	3231..3509, 3527..3613		

Seq. No.	2477	Seq. ID	OJ990503_06.9C10.C9
Gene No.	5163	Strand	+
Start	33	End	319
Name	OJ990503_06.9C10.C9.o1.gs	Method	GENSCAN
Start	33	End	319
GI	none	Score	.93
Exons	33..95, 260..319		

Seq. No.	2477	Seq. ID	OJ990503_06.9C10.C9
Gene No.	5164	Strand	+
Start	823	End	5315
Name	OJ990503_06.9C10.C9.o2.np	Method	AAT/NAP
Start	823	End	5315
GI	81286	Score	125
Exons	823..886, 3224..3316, 4820..5315		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	2477	Seq. ID	OJ990503_06.9C10.C9
Gene No.	5165	Strand	-
Start	577	End	909
Name	OJ990503_06.9C10.C9.o1.np	Method	AAT/NAP
Start	553	End	879
GI	2501448	Score	141
Exons	553..879		
GI Descrip.	UBIQUITIN-LIKE PROTEIN SMT3 gi|1707372|emb|CAA67923| (X99609) ubiquitin-like protein [Arabidopsis thaliana]		

Seq. No.	2477	Seq. ID	OJ990503_06.9C10.C9
Gene No.	5165	Strand	-
Start	577	End	909
Name	OJ990503_06.9C10.C9.o2.gs	Method	GENSCAN
Start	577	End	909
GI	none	Score	.99
Exons	577..909		

Seq. No.	2477	Seq. ID	OJ990503_06.9C10.C9
Gene No.	5166	Strand	-
Start	1594	End	5241
Name	OJ990503_06.9C10.C9.o3.gs	Method	GENSCAN
Start	1594	End	5241
GI	none	Score	.81
Exons	1594..1602, 1899..2069, 2401..2444, 2560..2632, 4295..4396, 5029..5241		

Seq. No.	2478	Seq. ID	OJ990503_06.9C10.C10
Gene No.	5167	Strand	+
Start	77	End	225
Name	OJ990503_06.9C10.C10.o1.gs	Method	GENSCAN
Start	77	End	225
GI	none	Score	.81
Exons	77..225		

Seq. No.	2479	Seq. ID	OJ990503_06.9C10.C13
Gene No.	5168	Strand	-
Start	41	End	177
Name	OJ990503_06.9C10.C13.o1.gp	Method	AAT/GAP
Start	41	End	177
GI	286502	Score	248
Exons	41..177		

Seq. No.	2479	Seq. ID	OJ990503_06.9C10.C13
Gene No.	5169	Strand	-
Start	92	End	1398
Name	OJ990503_06.9C10.C13.o1.tc	Method	TBLASTX:Cress
Start	40	End	1396
GI	none	Score	44
Exons	40..189, 975..1037, 977..1039, 1117..1248, 1119..1250, 1321..1395, 1331..1396		

Seq. No.	2479	Seq. ID	OJ990503_06.9C10.C13
Gene No.	5169	Strand	-
Start	92	End	1398
Name	OJ990503_06.9C10.C13.o1.tm	Method	TBLASTX:Maize
Start	40	End	1398
GI	none	Score	111
Exons	40..69, 42..107, 75..167, 94..189, 118..189, 119..190, 965..1039, 966..1067, 977..1039, 1109..1243, 1117..1251, 1119..1250, 1321..1395, 1328..1396, 1330..1398, 1338..1397		

Seq. No.	2479	Seq. ID	OJ990503_06.9C10.C13
Gene No.	5169	Strand	-
Start	92	End	1398
Name	OJ990503_06.9C10.C13.o1.gs	Method	GENSCAN
Start	92	End	1244
GI	none	Score	.85
Exons	92..186, 980..1036, 1119..1244		

Seq. No.	2480	Seq. ID	OJ990503_06.9C10.C14
Gene No.	5170	Strand	-
Start	135	End	647
Name	OJ990503_06.9C10.C14.o1.np	Method	AAT/NAP
Start	135	End	647
GI	4726116	Score	355
Exons	135..647		
GI Descrip.	(AC006436) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2480	Seq. ID	OJ990503_06.9C10.C14
Gene No.	5170	Strand	-
Start	135	End	647
Name	OJ990503_06.9C10.C14.o1.tw	Method	TBLASTX:Wheat
Start	225	End	542
GI	none	Score	104
Exons	225..428, 225..542, 253..516		

Seq. No.	2480	Seq. ID	OJ990503_06.9C10.C14
Gene No.	5170	Strand	-
Start	135	End	647
Name	OJ990503_06.9C10.C14.o1.tm	Method	TBLASTX:Maize

Start	252	End	590
GI	none	Score	40
Exons	252..314, 253..288, 255..311, 351..407, 357..590, 358..498		

Seq. No.	2480	Seq. ID	OJ990503_06.9C10.C14
Gene No.	5170	Strand	-
Start	135	End	647
Name	OJ990503_06.9C10.C14.o1.gs	Method	GENSCAN
Start	283	End	553
GI	none	Score	.73
Exons	283..553		

Seq. No.	2481	Seq. ID	OJ990503_06.9C10.C15
Gene No.	5171	Strand	+
Start	1	End	473
Name	OJ990503_06.9C10.C15.o1.np	Method	AAT/NAP
Start	1	End	473
GI	401161	Score	240
Exons	1..473		
GI Descrip.	TUBULIN ALPHA-5 CHAIN gi|322879|pir||S28982 tubulin alpha-5 chain - maize gi|22156|emb|CAA44862| (X63177) alpha-tubulin #5 [Zea mays] gi|450293 (L27815) alpha-tubulin [Zea mays] gi|452474 (U05258) alpha-tubulin [Zea mays]		

Seq. No.	2481	Seq. ID	OJ990503_06.9C10.C15
Gene No.	5171	Strand	+
Start	1	End	473
Name	OJ990503_06.9C10.C15.o1.gp	Method	AAT/GAP
Start	39	End	205
GI	333_1.R1084	Score	273
Exons	39..205		
GI Descrip.	'135399/sp|P28752|TBA1_ORYSA 0.0e+00 TUBULIN ALPHA-1 CHAIN >gi_100716_pir__S20758 tubulin alpha-1 chain - rice >gi_20379_emb_CAA77988_ (Z11931) alpha 1 tubulin [Oryza sativa] >gi_1136124_emb_CAA62918_ (X91808) alfa-tubulin [Oryza sativa]'		

Seq. No.	2481	Seq. ID	OJ990503_06.9C10.C15
Gene No.	5171	Strand	+
Start	1	End	473
Name	OJ990503_06.9C10.C15.o1.tc	Method	TBLASTX:Cress
Start	39	End	201
GI	none	Score	111
Exons	39..176, 39..164, 40..201, 41..199, 160..201		

Seq. No.	2481	Seq. ID	OJ990503_06.9C10.C15
Gene No.	5171	Strand	+
Start	1	End	473
Name	OJ990503_06.9C10.C15.o1.tm	Method	TBLASTX:Maize
Start	39	End	214
GI	none	Score	96
Exons	39..164, 40..120, 40..201, 41..199, 44..214, 160..201		

Seq. No.	2481	Seq. ID	OJ990503_06.9C10.C15
Gene No.	5171	Strand	+
Start	1	End	473
Name	OJ990503_06.9C10.C15.o1.tw	Method	TBLASTX:Wheat
Start	41	End	201

GI	none	Score	280
Exons	41..199, 41..199, 46..201, 160..201		
Seq. No.	2481	Seq. ID	OJ990503_06.9C10.C15
Gene No.	5171	Strand	+
Start	1	End	473
Name	OJ990503_06.9C10.C15.o1.ts	Method	TBLASTX:Soybean
Start	47	End	201
GI	none	Score	273
Exons	47..199, 47..199, 49..201		
Seq. No.	2481	Seq. ID	OJ990503_06.9C10.C15
Gene No.	5171	Strand	+
Start	1	End	473
Name	OJ990503_06.9C10.C15.o1.gs	Method	GENSCAN
Start	65	End	198
GI	none	Score	.64
Exons	65..198		
Seq. No.	2482	Seq. ID	OJ990503_06.9C10.C17
Gene No.	5172	Strand	-
Start	696	End	1149
Name	OJ990503_06.9C10.C17.o1.gp	Method	AAT/GAP
Start	696	End	1149
GI	2311927	Score	737
Exons	696..1149		
Seq. No.	2483	Seq. ID	OJ990503_06.9C10.C18
Gene No.	5173	Strand	-
Start	1633	End	2480
Name	OJ990503_06.9C10.C18.o2.gs	Method	GENSCAN
Start	1633	End	2480
GI	none	Score	.5
Exons	1633..1973, 2042..2388, 2410..2480		
Seq. No.	2484	Seq. ID	OJ990503_06.9C10.C19
Gene No.	5174	Strand	+
Start	867	End	1374
Name	OJ990503_06.9C10.C19.o1.gs	Method	GENSCAN
Start	867	End	1374
GI	none	Score	.43
Exons	867..996, 1118..1374		
Seq. No.	2484	Seq. ID	OJ990503_06.9C10.C19
Gene No.	5175	Strand	+
Start	3244	End	4978
Name	OJ990503_06.9C10.C19.o2.gs	Method	GENSCAN
Start	3244	End	4978
GI	none	Score	.45
Exons	3244..3551, 3716..3865, 4050..4190, 4813..4978		
Seq. No.	2484	Seq. ID	OJ990503_06.9C10.C19
Gene No.	5176	Strand	+
Start	9569	End	14247
Name	OJ990503_06.9C10.C19.o5.gs	Method	GENSCAN
Start	9569	End	13950
GI	none	Score	.82

Exons	9569..9775, 9796..9858, 9909..9974, 10844..10930, 11018..11116, 11423..11504, 12134..12201, 13128..13262, 13673..13737, 13884..13950		
Seq. No.	2484	Seq. ID	OJ990503_06.9C10.C19
Gene No.	5176	Strand	+
Start	9569	End	14247
Name	OJ990503_06.9C10.C19.o3.gp	Method	AAT/GAP
Start	9613	End	14247
GI	10634_1.R1084	Score	2558
Exons	9613..9775, 9909..9974, 10844..10930, 11018..11116, 11423..11708, 11796..11886, 12134..12201, 12300..12365, 13212..13262, 13673..13737, 13884..14247		
GI Descrip.	'6006853/gb|AAF00629.1|AC009540_6 1.0e-62 (AC009540) unknown protein [Arabidopsis thaliana]'		
Seq. No.	2484	Seq. ID	OJ990503_06.9C10.C19
Gene No.	5176	Strand	+
Start	9569	End	14247
Name	OJ990503_06.9C10.C19.o2.np	Method	AAT/NAP
Start	9877	End	12204
GI	6006853	Score	473
Exons	9877..9974, 10844..10930, 11018..11116, 11423..11518, 11643..11708, 11796..11886, 12134..12204		
GI Descrip.	(AC009540) unknown protein [Arabidopsis thaliana]		
Seq. No.	2484	Seq. ID	OJ990503_06.9C10.C19
Gene No.	5177	Strand	+
Start	15446	End	17635
Name	OJ990503_06.9C10.C19.o6.gs	Method	GENSCAN
Start	15446	End	17354
GI	none	Score	.61
Exons	15446..15528, 16185..16350, 17291..17354		
Seq. No.	2484	Seq. ID	OJ990503_06.9C10.C19
Gene No.	5177	Strand	+
Start	15446	End	17635
Name	OJ990503_06.9C10.C19.o4.gp	Method	AAT/GAP
Start	16255	End	17635
GI	1944248	Score	432
Exons	16255..16350, 17291..17354, 17440..17502, 17586..17635		
Seq. No.	2484	Seq. ID	OJ990503_06.9C10.C19
Gene No.	5178	Strand	-
Start	3472	End	16354
Name	OJ990503_06.9C10.C19.o1.np	Method	AAT/NAP
Start	3472	End	16354
GI	5732634	Score	163
Exons	3472..3932, 5436..5923, 16254..16354		
GI Descrip.	(AF121009) hypothetical protein Jv0534 [Mycobacterium tuberculosis H37Rv]		
Seq. No.	2484	Seq. ID	OJ990503_06.9C10.C19
Gene No.	5178	Strand	-
Start	3472	End	16354
Name	OJ990503_06.9C10.C19.o1.gp	Method	AAT/GAP
Start	5225	End	5695

GI	2799048	Score	625
Exons	5225..5695		
GI Descrip.	3402815/emb|AJ007829|CVE7829 9.0e-19 Cloning Vector pGreen		

Seq. No.	2484	Seq. ID	OJ990503_06.9C10.C19
Gene No.	5178	Strand	-
Start	3472	End	16354
Name	OJ990503_06.9C10.C19.o3.gs	Method	GENSCAN
Start	5474	End	5969
GI	none	Score	.68
Exons	5474..5695, 5862..5969		

Seq. No.	2484	Seq. ID	OJ990503_06.9C10.C19
Gene No.	5178	Strand	-
Start	3472	End	16354
Name	OJ990503_06.9C10.C19.o2.gp	Method	AAT/GAP
Start	5496	End	5709
GI	2280866	Score	348
Exons	5496..5709		

Seq. No.	2484	Seq. ID	OJ990503_06.9C10.C19
Gene No.	5178	Strand	-
Start	3472	End	16354
Name	OJ990503_06.9C10.C19.o1.tc	Method	TBLASTX:Cress
Start	10843	End	11482
GI	none	Score	97
Exons	10843..10929, 10844..10936, 11015..11116, 11015..11110, 11023..11157, 11029..11124, 11420..11482		

Seq. No.	2484	Seq. ID	OJ990503_06.9C10.C19
Gene No.	5178	Strand	-
Start	3472	End	16354
Name	OJ990503_06.9C10.C19.o1.ts	Method	TBLASTX:Soybean
Start	10843	End	13917
GI	none	Score	121
Exons	10843..10926, 10844..10936, 11023..11157, 11027..11116, 11420..11521, 11425..11529, 11642..11710, 11643..11723, 11795..11884, 11796..11873, 12126..12194, 12127..12198, 12300..12362, 12305..12361, 13212..13262, 13667..13756, 13882..13917		

Seq. No.	2485	Seq. ID	OJ990503_06.9C10.C20
Gene No.	5179	Strand	-
Start	107	End	717
Name	OJ990503_06.9C10.C20.o1.gs	Method	GENSCAN
Start	107	End	717
GI	none	Score	.78
Exons	107..168, 642..717		

Seq. No.	2486	Seq. ID	OJ990503_06.9C10.C23
Gene No.	5180	Strand	+
Start	221	End	514
Name	OJ990503_06.9C10.C23.o1.gs	Method	GENSCAN
Start	221	End	514
GI	none	Score	.87
Exons	221..339, 502..514		

Seq. No.	2486	Seq. ID	OJ990503_06.9C10.C23
Gene No.	5181	Strand	+
Start	1021	End	1343
Name	OJ990503_06.9C10.C23.o1.gp	Method	AAT/GAP
Start	1021	End	1343
GI	none	Score	642
Exons	1021..1343		

Seq. No.	2486	Seq. ID	OJ990503_06.9C10.C23
Gene No.	5182	Strand	-
Start	1133	End	1375
Name	OJ990503_06.9C10.C23.o2.gs	Method	GENSCAN
Start	1133	End	1308
GI	none	Score	.59
Exons	1133..1308		

Seq. No.	2486	Seq. ID	OJ990503_06.9C10.C23
Gene No.	5182	Strand	-
Start	1133	End	1375
Name	OJ990503_06.9C10.C23.o1.tm	Method	TBLASTX:Maize
Start	1178	End	1375
GI	none	Score	249
Exons	1178..1375, 1192..1374		

Seq. No.	2486	Seq. ID	OJ990503_06.9C10.C23
Gene No.	5182	Strand	-
Start	1133	End	1375
Name	OJ990503_06.9C10.C23.o1.np	Method	AAT/NAP
Start	1192	End	1375
GI	6091728	Score	100
Exons	1192..1375		
GI Descrip.	(AC010797) hypothetical protein [Arabidopsis thaliana] gi|6513943|gb|AAF14847.1|AC011664_29 (AC011664) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2487	Seq. ID	OJ990503_06.9C10.C24
Gene No.	5183	Strand	-
Start	1	End	2937
Name	OJ990503_06.9C10.C24.o1.np	Method	AAT/NAP
Start	1	End	1874
GI	3128170	Score	738
Exons	1..871, 1778..1874		
GI Descrip.	(AC004521) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2487	Seq. ID	OJ990503_06.9C10.C24
Gene No.	5183	Strand	-
Start	1	End	2937
Name	OJ990503_06.9C10.C24.o1.tc	Method	TBLASTX:Cress
Start	2	End	508
GI	none	Score	150
Exons	2..283, 27..284, 323..508, 351..506		

Seq. No.	2487	Seq. ID	OJ990503_06.9C10.C24
Gene No.	5183	Strand	-
Start	1	End	2937
Name	OJ990503_06.9C10.C24.o1.ts	Method	TBLASTX:Soybean
Start	2	End	698

GI	none	Score	138
Exons	2..283, 27..269, 308..445, 467..610, 492..605, 666..698		

Seq. No.	2487	Seq. ID	OJ990503_06.9C10.C24
Gene No.	5183	Strand	-
Start	1	End	2937
Name	OJ990503_06.9C10.C24.o1.gs	Method	GENSCAN
Start	8	End	2937
GI	none	Score	.64
Exons	8..803, 1778..1960, 2768..2937		

Seq. No.	2487	Seq. ID	OJ990503_06.9C10.C24
Gene No.	5183	Strand	-
Start	1	End	2937
Name	OJ990503_06.9C10.C24.o1.tm	Method	TBLASTX:Maize
Start	53	End	311
GI	none	Score	158
Exons	53..283, 57..311		

Seq. No.	2488	Seq. ID	OJ990503_06.9C10.C25
Gene No.	5184	Strand	+
Start	5716	End	7018
Name	OJ990503_06.9C10.C25.o2.np	Method	AAT/NAP
Start	5716	End	7018
GI	4972051	Score	1022
Exons	5716..7018		
GI Descrip.	(AL078470) serine/threonine-specific kinase like protein [Arabidopsis thaliana]		

Seq. No.	2488	Seq. ID	OJ990503_06.9C10.C25
Gene No.	5185	Strand	-
Start	739	End	4021
Name	OJ990503_06.9C10.C25.o1.gs	Method	GENSCAN
Start	739	End	4021
GI	none	Score	.61
Exons	739..798, 915..1040, 1140..1286, 1570..1642, 1777..1849, 2560..2666, 3102..3194, 3330..3663, 3997..4021		

Seq. No.	2488	Seq. ID	OJ990503_06.9C10.C25
Gene No.	5185	Strand	-
Start	739	End	4021
Name	OJ990503_06.9C10.C25.o2.tm	Method	TBLASTX:Maize
Start	739	End	1289
GI	none	Score	43
Exons	739..801, 739..801, 915..1046, 919..1038, 1143..1289, 1150..1278		

Seq. No.	2488	Seq. ID	OJ990503_06.9C10.C25
Gene No.	5185	Strand	-
Start	739	End	4021
Name	OJ990503_06.9C10.C25.o1.np	Method	AAT/NAP
Start	742	End	3699
GI	1652217	Score	552
Exons	742..798, 915..1040, 1140..1286, 1570..1642, 1722..1866, 2458..2666, 3102..3194, 3647..3699		
GI Descrip.	(D90903) hypothetical protein [Synechocystis sp.]		

Seq. No.	2488	Seq. ID	OJ990503_06.9C10.C25

Gene No.	5185	Strand	-
Start	739	End	4021
Name	OJ990503_06.9C10.C25.o1.gp	Method	AAT/GAP
Start	1243	End	1805
GI	none	Score	1082
Exons	1243..1805		

Seq. No.	2488	Seq. ID	OJ990503_06.9C10.C25
Gene No.	5185	Strand	-
Start	739	End	4021
Name	OJ990503_06.9C10.C25.o2.ts	Method	TBLASTX:Soybean
Start	1769	End	3199
GI	none	Score	76
Exons	1769..1867, 1770..1868, 1776..1892, 2450..2554, 2457..2552, 2555..2680, 2556..2669, 3104..3199, 3104..3196		

Seq. No.	2488	Seq. ID	OJ990503_06.9C10.C25
Gene No.	5186	Strand	
Start	5734	End	7017
Name	OJ990503_06.9C10.C25.o1.tm	Method	TBLASTX:Maize
Start	5734	End	6261
GI	none	Score	212
Exons	5734..5994, 5748..6014, 6010..6261, 6010..6177, 6027..6260		

Seq. No.	2488	Seq. ID	OJ990503_06.9C10.C25
Gene No.	5186	Strand	
Start	5734	End	7017
Name	OJ990503_06.9C10.C25.o3.ts	Method	TBLASTX:Soybean
Start	5800	End	6357
GI	none	Score	120
Exons	5800..5964, 6004..6066, 6073..6267, 6084..6266, 6235..6357		

Seq. No.	2488	Seq. ID	OJ990503_06.9C10.C25
Gene No.	5186	Strand	
Start	5734	End	7017
Name	OJ990503_06.9C10.C25.o1.tc	Method	TBLASTX:Cress
Start	5814	End	7017
GI	none	Score	111
Exons	5814..5879, 5815..5955, 5952..5990, 6028..6255, 6030..6248, 6253..6357, 6258..6536, 6412..6531, 6526..6621, 6627..6926, 6628..6999, 6657..6752, 6670..7017, 6953..7012		

Seq. No.	2488	Seq. ID	OJ990503_06.9C10.C25
Gene No.	5186	Strand	
Start	5734	End	7017
Name	OJ990503_06.9C10.C25.o2.tw	Method	TBLASTX:Wheat
Start	6174	End	6415
GI	none	Score	210
Exons	6174..6401, 6175..6357, 6245..6415		

Seq. No.	2488	Seq. ID	OJ990503_06.9C10.C25
Gene No.	5186	Strand	
Start	5734	End	7017
Name	OJ990503_06.9C10.C25.o4.tm	Method	TBLASTX:Maize
Start	6264	End	6567
GI	none	Score	86
Exons	6264..6536, 6265..6357, 6412..6525, 6520..6567		

Seq. No.	2488	Seq. ID	OJ990503_06.9C10.C25
Gene No.	5186	Strand	
Start	5734	End	7017
Name	OJ990503_06.9C10.C25.o1.tw	Method	TBLASTX:Wheat
Start	6417	End	6753
GI	none	Score	132
Exons	6417..6536, 6424..6531, 6513..6641, 6520..6621, 6682..6708, 6683..6709, 6696..6746, 6712..6753		

Seq. No.	2488	Seq. ID	OJ990503_06.9C10.C25
Gene No.	5186	Strand	
Start	5734	End	7017
Name	OJ990503_06.9C10.C25.o1.ts	Method	TBLASTX:Soybean
Start	6756	End	7017
GI	none	Score	338
Exons	6756..6938, 6757..7017		

Seq. No.	2488	Seq. ID	OJ990503_06.9C10.C25
Gene No.	5186	Strand	
Start	5734	End	7017
Name	OJ990503_06.9C10.C25.o3.tw	Method	TBLASTX:Wheat
Start	6778	End	7017
GI	none	Score	195
Exons	6778..7017, 6789..6938, 6926..7015		

Seq. No.	2488	Seq. ID	OJ990503_06.9C10.C25
Gene No.	5186	Strand	
Start	5734	End	7017
Name	OJ990503_06.9C10.C25.o3.tm	Method	TBLASTX:Maize
Start	6807	End	7017
GI	none	Score	122
Exons	6807..6986, 6807..6941, 6808..7017, 6811..7017		

Seq. No.	2489	Seq. ID	OJ990503_06.9C10.C26
Gene No.	5187	Strand	+
Start	1	End	2027
Name	OJ990503_06.9C10.C26.o1.np	Method	AAT/NAP
Start	1	End	2027
GI	3193290	Score	339
Exons	1..435, 1962..2027		
GI Descrip.	(AF069298) contains similarity to a protein kinase domain (Pfam: pkinase.hmm, score: 165.48), to legume lectins beta domain (Pfam: lectin_legB.hmm, score: 125.64) and legume lectins alpha domain (Pfam: lectin_legA.hmm, score: 16.72) [Arabido...		

Seq. No.	2489	Seq. ID	OJ990503_06.9C10.C26
Gene No.	5187	Strand	+
Start	1	End	2027
Name	OJ990503_06.9C10.C26.o1.tc	Method	TBLASTX:Cress
Start	1	End	402
GI	none	Score	80
Exons	1..48, 2..82, 45..188, 46..153, 177..389, 178..402		

Seq. No.	2489	Seq. ID	OJ990503_06.9C10.C26
Gene No.	5187	Strand	+
Start	1	End	2027

Name	OJ990503_06.9C10.C26.o1.ts	Method	TBLASTX:Soybean
Start	58	End	380
GI	none	Score	106
Exons	58..186, 171..380, 172..372		

Seq. No.	2489	Seq. ID	OJ990503_06.9C10.C26
Gene No.	5187	Strand	+
Start	1	End	2027
Name	OJ990503_06.9C10.C26.o1.gs	Method	GENSCAN
Start	67	End	528
GI	none	Score	.58
Exons	67..528		

Seq. No.	2489	Seq. ID	OJ990503_06.9C10.C26
Gene No.	5187	Strand	+
Start	1	End	2027
Name	OJ990503_06.9C10.C26.o1.tm	Method	TBLASTX:Maize
Start	124	End	453
GI	none	Score	56
Exons	124..186, 169..453, 186..452		

Seq. No.	2490	Seq. ID	OJ990503_06.9C10.C27
Gene No.	5188	Strand	+
Start	2046	End	2374
Name	OJ990503_06.9C10.C27.o1.gp	Method	AAT/GAP
Start	2046	End	2374
GI	LIB3431-015-P1-K1-B9	Score	634
Exons	2046..2374		
GI Descrip.	'3193290 3.0e-17 (AF069298) contains similarity to a protein kinase domain (Pfam: pkinase.hmm, score: 165.48), to legume lectins beta domain (Pfam: lectin_legB.hmm, score: 125.64) and legume lectins alpha domain (Pfam: lectin_legA.hmm, score: 16.72) [Arabido'		

Seq. No.	2490	Seq. ID	OJ990503_06.9C10.C27
Gene No.	5189	Strand	+
Start	4330	End	10825
Name	OJ990503_06.9C10.C27.o4.tw	Method	TBLASTX:Wheat
Start	461	End	4542
GI	none	Score	142
Exons	461..601, 463..597, 4383..4541, 4387..4542		

Seq. No.	2490	Seq. ID	OJ990503_06.9C10.C27
Gene No.	5189	Strand	+
Start	4330	End	10825
Name	OJ990503_06.9C10.C27.o3.tm	Method	TBLASTX:Maize
Start	472	End	4914
GI	none	Score	179
Exons	472..606, 473..622, 616..702, 617..691, 734..757, 736..762, 773..898, 808..879, 901..933, 4345..4404, 4353..4565, 4354..4557, 4419..4559, 4626..4760, 4627..4764, 4759..4914, 4761..4862		

Seq. No.	2490	Seq. ID	OJ990503_06.9C10.C27
Gene No.	5189	Strand	+
Start	4330	End	10825
Name	OJ990503_06.9C10.C27.o4.ts	Method	TBLASTX:Soybean

Start	482	End	5010
GI	none	Score	114
Exons	482..607, 620..691, 803..895, 805..894, 916..1041, 945..1025, 1039..1092, 4426..4557, 4621..4728, 4771..4935, 4785..4898, 4903..5010		

Seq. No.	2490	Seq. ID	OJ990503_06.9C10.C27
Gene No.	5189	Strand	+
Start	4330	End	10825
Name	OJ990503_06.9C10.C27.o1.tc	Method	TBLASTX:Cress
Start	503	End	6243
GI	none	Score	92
Exons	503..604, 608..691, 776..901, 802..897, 919..1182, 924..1241, 1330..1941, 1361..1510, 1366..2034, 1869..2036, 2038..2286, 2060..2098, 2064..2273, 4447..4557, 4461..4511, 4626..4769, 4627..4770, 4752..4898, 4768..4914, 4906..5010, 4938..5225, 5065..5265, 5215..5685, 5350..6057, 5475..6020, 6031..6243, 6081..6227		

Seq. No.	2490	Seq. ID	OJ990503_06.9C10.C27
Gene No.	5189	Strand	+
Start	4330	End	10825
Name	OJ990503_06.9C10.C27.o3.tw	Method	TBLASTX:Wheat
Start	841	End	5054
GI	none	Score	72
Exons	841..897, 842..898, 889..1083, 900..1082, 4827..4889, 4828..5010, 4897..5004, 4923..5054		

Seq. No.	2490	Seq. ID	OJ990503_06.9C10.C27
Gene No.	5189	Strand	+
Start	4330	End	10825
Name	OJ990503_06.9C10.C27.o6.tm	Method	TBLASTX:Maize
Start	933	End	5235
GI	none	Score	238
Exons	933..1136, 934..1185, 1155..1229, 4917..5216, 4918..5010, 5065..5235		

Seq. No.	2490	Seq. ID	OJ990503_06.9C10.C27
Gene No.	5189	Strand	+
Start	4330	End	10825
Name	OJ990503_06.9C10.C27.o2.tw	Method	TBLASTX:Wheat
Start	1083	End	5400
GI	none	Score	182
Exons	1083..1274, 1090..1284, 1378..1413, 1379..1411, 5070..5261, 5077..5271, 5186..5272, 5362..5400, 5364..5393		

Seq. No.	2490	Seq. ID	OJ990503_06.9C10.C27
Gene No.	5189	Strand	+
Start	4330	End	10825
Name	OJ990503_06.9C10.C27.o1.ts	Method	TBLASTX:Soybean
Start	1413	End	5910
GI	none	Score	647
Exons	1413..1667, 1417..1923, 1585..1914, 5401..5910, 5414..5674, 5472..5909		

Seq. No.	2490	Seq. ID	OJ990503_06.9C10.C27
Gene No.	5189	Strand	+

Start	4330	End	10825
Name	OJ990503_06.9C10.C27.o1.tw	Method	TBLASTX:Wheat
Start	1438	End	5855
GI	none	Score	358
Exons	1438..1866, 1446..1604, 1540..1836, 5491..5853, 5526..5855		

Seq. No.	2490	Seq. ID	OJ990503_06.9C10.C27
Gene No.	5189	Strand	+
Start	4330	End	10825
Name	OJ990503_06.9C10.C27.o1.tm	Method	TBLASTX:Maize
Start	1467	End	6024
GI	none	Score	334
Exons	1467..1604, 1468..1692, 1471..1692, 1484..1693, 1693..2040, 1710..1799, 1715..1951, 1717..2013, 1869..2039, 5453..5671, 5454..5672, 5472..5675, 5476..5688, 5679..6017, 5680..6024		

Seq. No.	2490	Seq. ID	OJ990503_06.9C10.C27
Gene No.	5189	Strand	+
Start	4330	End	10825
Name	OJ990503_06.9C10.C27.o3.ts	Method	TBLASTX:Soybean
Start	1939	End	6228
GI	none	Score	249
Exons	1939..2250, 1941..2249, 5926..6228, 5961..6227		

Seq. No.	2490	Seq. ID	OJ990503_06.9C10.C27
Gene No.	5189	Strand	+
Start	4330	End	10825
Name	OJ990503_06.9C10.C27.o5.tm	Method	TBLASTX:Maize
Start	2052	End	6369
GI	none	Score	279
Exons	2052..2087, 2053..2316, 2062..2292, 2139..2306, 6037..6231, 6044..6271, 6059..6220, 6105..6230, 6230..6331, 6235..6369, 6251..6331		

Seq. No.	2490	Seq. ID	OJ990503_06.9C10.C27
Gene No.	5189	Strand	+
Start	4330	End	10825
Name	OJ990503_06.9C10.C27.o2.gp	Method	AAT/GAP
Start	4330	End	4636
GI	34866_1.R1084	Score	584
Exons	4330..4636		
GI Descrip.	'3236253 1.0e-58 (AC004684) receptor-like protein kinase [Arabidopsis thaliana]'		

Seq. No.	2490	Seq. ID	OJ990503_06.9C10.C27
Gene No.	5189	Strand	+
Start	4330	End	10825
Name	OJ990503_06.9C10.C27.o1.np	Method	AAT/NAP
Start	4342	End	6285
GI	1418331	Score	1722
Exons	4342..4570, 4613..6285		
GI Descrip.	(X95909) receptor like protein kinase [Arabidopsis thaliana]		

Seq. No.	2490	Seq. ID	OJ990503_06.9C10.C27
Gene No.	5189	Strand	+
Start	4330	End	10825
Name	OJ990503_06.9C10.C27.o2.np	Method	AAT/NAP

Start	5527	End	9926
GI	4063770	Score	82
Exons	5527..5556, 7670..7896, 9878..9926		
GI Descrip.	(AB004906) transposase [Ipomoea purpurea]		

Seq. No.	2490	Seq. ID	OJ990503_06.9C10.C27
Gene No.	5189	Strand	+
Start	4330	End	10825
Name	OJ990503_06.9C10.C27.o3.gp	Method	AAT/GAP
Start	5581	End	6042
GI	2317474	Score	910
Exons	5581..6042		
GI Descrip.	3236253 1.0e-58 (AC004684) receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	2490	Seq. ID	OJ990503_06.9C10.C27
Gene No.	5189	Strand	+
Start	4330	End	10825
Name	OJ990503_06.9C10.C27.o4.gp	Method	AAT/GAP
Start	6375	End	6808
GI	2317475	Score	765
Exons	6375..6808		

Seq. No.	2490	Seq. ID	OJ990503_06.9C10.C27
Gene No.	5189	Strand	+
Start	4330	End	10825
Name	OJ990503_06.9C10.C27.o2.gs	Method	GENSCAN
Start	8688	End	10810
GI	none	Score	.58
Exons	8688..9525, 9816..10347, 10612..10810		

Seq. No.	2490	Seq. ID	OJ990503_06.9C10.C27
Gene No.	5189	Strand	+
Start	4330	End	10825
Name	OJ990503_06.9C10.C27.o3.np	Method	AAT/NAP
Start	8688	End	10825
GI	4836910	Score	1518
Exons	8688..8984, 9015..9526, 9868..10825		
GI Descrip.	(AC007153) 51396 [Arabidopsis thaliana]		

Seq. No.	2490	Seq. ID	OJ990503_06.9C10.C27
Gene No.	5189	Strand	+
Start	4330	End	10825
Name	OJ990503_06.9C10.C27.o5.ts	Method	TBLASTX:Soybean
Start	9147	End	9386
GI	none	Score	64
Exons	9147..9182, 9210..9386		

Seq. No.	2490	Seq. ID	OJ990503_06.9C10.C27
Gene No.	5189	Strand	+
Start	4330	End	10825
Name	OJ990503_06.9C10.C27.o4.tm	Method	TBLASTX:Maize
Start	9252	End	9529
GI	none	Score	290
Exons	9252..9527, 9252..9368, 9290..9382, 9437..9529		

Seq. No.	2490	Seq. ID	OJ990503_06.9C10.C27

Gene No.	5189	Strand	+
Start	4330	End	10825
Name	OJ990503_06.9C10.C27.o2.tm	Method	TBLASTX:Maize
Start	9958	End	10384
GI	none	Score	248
Exons	9958..10200, 9959..10201, 10193..10384, 10207..10374		

Seq. No.	2490	Seq. ID	OJ990503_06.9C10.C27
Gene No.	5189	Strand	+
Start	4330	End	10825
Name	OJ990503_06.9C10.C27.o5.gp	Method	AAT/GAP
Start	10295	End	10650
GI	62468_1.R1084	Score	596
Exons	10295..10650		
GI Descrip.	'3402815/emb|AJ007829|CVE7829 9.0e-19 Cloning Vector pGreen'		

Seq. No.	2490	Seq. ID	OJ990503_06.9C10.C27
Gene No.	5189	Strand	+
Start	4330	End	10825
Name	OJ990503_06.9C10.C27.o2.ts	Method	TBLASTX:Soybean
Start	10544	End	10795
GI	none	Score	270
Exons	10544..10795		

Seq. No.	2491	Seq. ID	OJ990503_06.9C10.C28
Gene No.	5190	Strand	+
Start	228	End	1227
Name	OJ990503_06.9C10.C28.o1.gs	Method	GENSCAN
Start	228	End	1227
GI	none	Score	.55
Exons	228..367, 1064..1227		

Seq. No.	2492	Seq. ID	OJ990503_06.9C10.C29
Gene No.	5191	Strand	+
Start	815	End	3058
Name	OJ990503_06.9C10.C29.o1.tm	Method	TBLASTX:Maize
Start	605	End	1261
GI	none	Score	351
Exons	605..1060, 658..1035, 683..1036, 1064..1096, 1114..1173, 1115..1168, 1169..1261		

Seq. No.	2492	Seq. ID	OJ990503_06.9C10.C29
Gene No.	5191	Strand	+
Start	815	End	3058
Name	OJ990503_06.9C10.C29.o2.tw	Method	TBLASTX:Wheat
Start	605	End	981
GI	none	Score	300
Exons	605..979, 655..981		

Seq. No.	2492	Seq. ID	OJ990503_06.9C10.C29
Gene No.	5191	Strand	+
Start	815	End	3058
Name	OJ990503_06.9C10.C29.o1.np	Method	AAT/NAP
Start	815	End	3058
GI	2213632	Score	709
Exons	815..1561, 3009..3058		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	2492	Seq. ID	OJ990503_06.9C10.C29
Gene No.	5191	Strand	+
Start	815	End	3058
Name	OJ990503_06.9C10.C29.o1.tw	Method	TBLASTX:Wheat
Start	1104	End	1525
GI	none	Score	57
Exons	1104..1229, 1111..1278, 1112..1288, 1280..1525, 1325..1525		

Seq. No.	2492	Seq. ID	OJ990503_06.9C10.C29
Gene No.	5191	Strand	+
Start	815	End	3058
Name	OJ990503_06.9C10.C29.o2.tm	Method	TBLASTX:Maize
Start	1265	End	1537
GI	none	Score	181
Exons	1265..1432, 1291..1431, 1382..1438, 1475..1537, 1478..1534, 1501..1536		

Seq. No.	2493	Seq. ID	OJ990503_06.9C10.C31
Gene No.	5192	Strand	+
Start	1	End	2125
Name	OJ990503_06.9C10.C31.o1.np	Method	AAT/NAP
Start	1	End	2108
GI	3395584	Score	362
Exons	1..709, 1039..1242, 1838..1942, 2043..2108		
GI Descrip.	(AL031179) importin beta subunit [Schizosaccharomyces pombe]		

Seq. No.	2493	Seq. ID	OJ990503_06.9C10.C31
Gene No.	5192	Strand	+
Start	1	End	2125
Name	OJ990503_06.9C10.C31.o1.gs	Method	GENSCAN
Start	26	End	2108
GI	none	Score	.98
Exons	26..709, 1039..1242, 1838..1942, 2043..2108		

Seq. No.	2493	Seq. ID	OJ990503_06.9C10.C31
Gene No.	5192	Strand	+
Start	1	End	2125
Name	OJ990503_06.9C10.C31.o2.tm	Method	TBLASTX:Maize
Start	98	End	340
GI	none	Score	165
Exons	98..268, 107..202, 111..266, 112..267, 272..340, 272..337		

Seq. No.	2493	Seq. ID	OJ990503_06.9C10.C31
Gene No.	5192	Strand	+
Start	1	End	2125
Name	OJ990503_06.9C10.C31.o1.tc	Method	TBLASTX:Cress
Start	233	End	490
GI	none	Score	290
Exons	233..490, 266..490		

Seq. No.	2493	Seq. ID	OJ990503_06.9C10.C31
Gene No.	5192	Strand	+
Start	1	End	2125
Name	OJ990503_06.9C10.C31.o1.tm	Method	TBLASTX:Maize
Start	596	End	2063
GI	none	Score	179

Exons	596..712, 598..714, 631..726, 993..1238, 1036..1269, 1036..1242, 1037..1252, 1835..1915, 1837..1941, 2034..2063, 2039..2062		
Seq. No.	2493	Seq. ID	OJ990503_06.9C10.C31
Gene No.	5192	Strand	+
Start	1	End	2125
Name	OJ990503_06.9C10.C31.o1.ts	Method	TBLASTX:Soybean
Start	1087	End	2125
GI	none	Score	235
Exons	1087..1269, 1104..1241, 1821..1940, 1834..1941, 1835..1915, 2025..2102, 2039..2125		
Seq. No.	2494	Seq. ID	OJ990503_06.9C10.C32
Gene No.	5193	Strand	+
Start	181	End	262
Name	OJ990503_06.9C10.C32.o1.gp	Method	AAT/GAP
Start	181	End	262
GI	10634_1.R1084	Score	82
Exons	181..262		
GI Descrip.	'6006853/gb|AAF00629.1|AC009540_6 1.0e-62 (AC009540) unknown protein [Arabidopsis thaliana]'		
Seq. No.	2495	Seq. ID	OJ990503_06.9C10.C33
Gene No.	5194	Strand	-
Start	595	End	674
Name	OJ990503_06.9C10.C33.o1.gp	Method	AAT/GAP
Start	595	End	674
GI	10634_1.R1084	Score	145
Exons	595..674		
GI Descrip.	'6006853/gb|AAF00629.1|AC009540_6 1.0e-62 (AC009540) unknown protein [Arabidopsis thaliana]'		
Seq. No.	2496	Seq. ID	OJ990503_06.9C10.C36
Gene No.	5195	Strand	+
Start	1087	End	2471
Name	OJ990503_06.9C10.C36.o1.gs	Method	GENSCAN
Start	1087	End	2471
GI	none	Score	.73
Exons	1087..1362, 1668..1722, 2032..2471		
Seq. No.	2496	Seq. ID	OJ990503_06.9C10.C36
Gene No.	5195	Strand	+
Start	1087	End	2471
Name	OJ990503_06.9C10.C36.o1.np	Method	AAT/NAP
Start	2143	End	2459
GI	2501448	Score	151
Exons	2143..2459		
GI Descrip.	UBIQUITIN-LIKE PROTEIN SMT3 gi|1707372|emb|CAA67923| (X99609) ubiquitin-like protein [Arabidopsis thaliana]		
Seq. No.	2497	Seq. ID	OJ990503_06.9C10.C37
Gene No.	5196	Strand	+
Start	1	End	764
Name	OJ990503_06.9C10.C37.o1.np	Method	AAT/NAP
Start	1	End	764
GI	3153821	Score	94
Exons	1..130, 192..764		

GI Descrip.	(AF062655) plenty-of-prolines-101; POP101; SH3-philo-protein [Mus musculus]		
Seq. No.	2498	Seq. ID	OJ990503_06.9C10.C39
Gene No.	5197	Strand	+
Start	288	End	317
Name	OJ990503_06.9C10.C39.o1.gs	Method	GENSCAN
Start	288	End	317
GI	none	Score	.83
Exons	288..317		
Seq. No.	2499	Seq. ID	OJ990503_06.9C10.C40
Gene No.	5198	Strand	+
Start	287	End	436
Name	OJ990503_06.9C10.C40.o1.gs	Method	GENSCAN
Start	287	End	436
GI	none	Score	.7
Exons	287..436		
Seq. No.	2500	Seq. ID	OJ990503_06.9C10.C41
Gene No.	5199	Strand	+
Start	57	End	321
Name	OJ990503_06.9C10.C41.o1.gp	Method	AAT/GAP
Start	57	End	321
GI	none	Score	500
Exons	57..321		
Seq. No.	2500	Seq. ID	OJ990503_06.9C10.C41
Gene No.	5200	Strand	-
Start	164	End	701
Name	OJ990503_06.9C10.C41.o1.tm	Method	TBLASTX:Maize
Start	156	End	371
GI	none	Score	271
Exons	156..371, 170..370		
Seq. No.	2500	Seq. ID	OJ990503_06.9C10.C41
Gene No.	5200	Strand	-
Start	164	End	701
Name	OJ990503_06.9C10.C41.o1.gs	Method	GENSCAN
Start	164	End	513
GI	none	Score	.49
Exons	164..513		
Seq. No.	2500	Seq. ID	OJ990503_06.9C10.C41
Gene No.	5200	Strand	-
Start	164	End	701
Name	OJ990503_06.9C10.C41.o1.np	Method	AAT/NAP
Start	173	End	701
GI	3142300	Score	210
Exons	173..701		
GI Descrip.	(AC002411) Contains similarity to pre-mRNA processing protein PRP39 gb|L29224 from S. cerevisiae. ESTs gb|R64908 and gb|T88158, gb|N38703 and gb|AA651043 come from this gene. [Arabidopsis thaliana]		
Seq. No.	2501	Seq. ID	OJ990503_06.9C10.C42
Gene No.	5201	Strand	+

Start	1	End	1029
Name	OJ990503_06.9C10.C42.o1.np	Method	AAT/NAP
Start	1	End	1029
GI	3064245	Score	228
Exons	1..261, 346..420, 497..644, 1011..1029		
GI Descrip.	(AF039023) Ran-GTP binding protein; RanBP6 [Homo sapiens]		

Seq. No.	2501	Seq. ID	OJ990503_06.9C10.C42
Gene No.	5201	Strand	+
Start	1	End	1029
Name	OJ990503_06.9C10.C42.o2.ts	Method	TBLASTX:Soybean
Start	94	End	231
GI	none	Score	219
Exons	94..231, 94..225, 96..230		

Seq. No.	2501	Seq. ID	OJ990503_06.9C10.C42
Gene No.	5201	Strand	+
Start	1	End	1029
Name	OJ990503_06.9C10.C42.o1.gs	Method	GENSCAN
Start	97	End	648
GI	none	Score	.7
Exons	97..261, 346..420, 530..648		

Seq. No.	2501	Seq. ID	OJ990503_06.9C10.C42
Gene No.	5201	Strand	+
Start	1	End	1029
Name	OJ990503_06.9C10.C42.o1.tc	Method	TBLASTX:Cress
Start	98	End	613
GI	none	Score	101
Exons	98..244, 102..248, 102..269, 103..267, 340..414, 345..416, 346..420, 476..613, 487..612		

Seq. No.	2501	Seq. ID	OJ990503_06.9C10.C42
Gene No.	5201	Strand	+
Start	1	End	1029
Name	OJ990503_06.9C10.C42.o1.tm	Method	TBLASTX:Maize
Start	129	End	613
GI	none	Score	192
Exons	129..269, 130..267, 343..420, 346..420, 476..613, 488..607, 493..612		

Seq. No.	2501	Seq. ID	OJ990503_06.9C10.C42
Gene No.	5201	Strand	+
Start	1	End	1029
Name	OJ990503_06.9C10.C42.o1.ts	Method	TBLASTX:Soybean
Start	232	End	613
GI	none	Score	46
Exons	232..267, 343..414, 345..416, 346..420, 453..572, 482..613, 488..595, 493..612		

Seq. No.	2502	Seq. ID	OJ990503_06.9C10.C43
Gene No.	5202	Strand	+
Start	85	End	2989
Name	OJ990503_06.9C10.C43.o1.tm	Method	TBLASTX:Maize
Start	81	End	2986
GI	none	Score	91
Exons	81..152, 82..153, 82..177, 104..196, 164..277, 440..547,		

450..551, 451..564, 451..546, 453..572, 1118..1255, 1165..1254,
1167..1256, 1324..1407, 1329..1394, 1479..1544, 1491..1556,
1631..1789, 1650..1790, 2724..2837, 2730..2837, 2735..2851,
2905..2982, 2912..2986

Seq. No.	2502	Seq. ID	OJ990503_06.9C10.C43
Gene No.	5202	Strand	+
Start	85	End	2989
Name	OJ990503_06.9C10.C43.o1.ts	Method	TBLASTX:Soybean
Start	81	End	2950
GI	none	Score	94
Exons	81..152, 82..216, 456..572, 466..543, 474..563, 1118..1255, 1165..1254, 1167..1262, 1323..1394, 1324..1407, 1325..1399, 1491..1556, 1648..1773, 1649..1789, 1650..1790, 1668..1790, 1699..1791, 2744..2836, 2745..2837, 2912..2950		

Seq. No.	2502	Seq. ID	OJ990503_06.9C10.C43
Gene No.	5202	Strand	+
Start	85	End	2989
Name	OJ990503_06.9C10.C43.o1.tc	Method	TBLASTX:Cress
Start	82	End	2989
GI	none	Score	95
Exons	82..273, 104..277, 451..543, 453..551, 1118..1255, 1165..1254, 1326..1394, 1327..1407, 1479..1556, 1491..1556, 1649..1789, 1650..1790, 1714..1791, 2724..2840, 2745..2837, 2905..2982, 2912..2989		

Seq. No.	2502	Seq. ID	OJ990503_06.9C10.C43
Gene No.	5202	Strand	+
Start	85	End	2989
Name	OJ990503_06.9C10.C43.o1.gs	Method	GENSCAN
Start	85	End	2980
GI	none	Score	.93
Exons	85..270, 454..546, 1166..1251, 1329..1395, 1491..1557, 1651..1787, 2745..2836, 2914..2980		

Seq. No.	2502	Seq. ID	OJ990503_06.9C10.C43
Gene No.	5202	Strand	+
Start	85	End	2989
Name	OJ990503_06.9C10.C43.o1.gp	Method	AAT/GAP
Start	94	End	1225
GI	286502	Score	620
Exons	94..270, 454..546, 1166..1225		

Seq. No.	2502	Seq. ID	OJ990503_06.9C10.C43
Gene No.	5202	Strand	+
Start	85	End	2989
Name	OJ990503_06.9C10.C43.o1.tw	Method	TBLASTX:Wheat
Start	1491	End	2837
GI	none	Score	86
Exons	1491..1556, 1649..1792, 1650..1790, 2724..2828, 2730..2837, 2735..2833		

Seq. No.	2503	Seq. ID	OJ990503_06.9C10.C45
Gene No.	5203	Strand	+
Start	477	End	1147
Name	OJ990503_06.9C10.C45.o1.gs	Method	GENSCAN

Start	477	End	1106
GI	none	Score	.96
Exons	477..1106		

Seq. No.	2503	Seq. ID	OJ990503_06.9C10.C45
Gene No.	5203	Strand	+
Start	477	End	1147
Name	OJ990503_06.9C10.C45.o1.np	Method	AAT/NAP
Start	556	End	1147
GI	2281647	Score	301
Exons	556..999, 1107..1147		
GI Descrip.	(AF003104) AP2 domain containing protein RAP2.11 [Arabidopsis thaliana]		

Seq. No.	2503	Seq. ID	OJ990503_06.9C10.C45
Gene No.	5203	Strand	+
Start	477	End	1147
Name	OJ990503_06.9C10.C45.o1.tc	Method	TBLASTX:Cress
Start	585	End	851
GI	none	Score	192
Exons	585..851, 596..721		

Seq. No.	2504	Seq. ID	OJ990503_06.9C10.C46
Gene No.	5204	Strand	-
Start	3983	End	7161
Name	OJ990503_06.9C10.C46.o1.gp	Method	AAT/GAP
Start	3705	End	7119
GI	333_1.R1084	Score	3383
Exons	3705..4298, 4418..4926, 5484..5683, 5765..5979, 6890..7119		
GI Descrip.	'135399/sp|P28752|TBA1_ORYSA 0.0e+00 TUBULIN ALPHA-1 CHAIN >gi_100716_pir__S20758 tubulin alpha-1 chain - rice >gi_20379_emb_CAA77988_ (Z11931) alpha 1 tubulin [Oryza sativa] >gi_1136124_emb_CAA62918_ (X91808) alfa-tubulin [Oryza sativa]'		

Seq. No.	2504	Seq. ID	OJ990503_06.9C10.C46
Gene No.	5204	Strand	-
Start	3983	End	7161
Name	OJ990503_06.9C10.C46.o1.tm	Method	TBLASTX:Maize
Start	3806	End	7161
GI	none	Score	38
Exons	3806..3844, 3817..3849, 3840..3926, 3842..3925, 3922..3984, 3985..4143, 4016..4321, 4046..4297, 4415..4930, 4417..4929, 5479..5682, 5481..5684, 5482..5685, 5483..5797, 5766..5981, 5767..5982, 5767..5982, 6877..7002, 6895..7005, 7132..7161		

Seq. No.	2504	Seq. ID	OJ990503_06.9C10.C46
Gene No.	5204	Strand	-
Start	3983	End	7161
Name	OJ990503_06.9C10.C46.o1.tc	Method	TBLASTX:Cress
Start	3976	End	7005
GI	none	Score	322
Exons	3976..4143, 4046..4297, 4080..4298, 4219..4317, 4415..4927, 4415..4456, 4417..4941, 4417..4929, 4496..4930, 4749..4940, 5481..5684, 5482..5685, 5493..5690, 5765..5929, 5766..5981, 5766..5981, 5767..5982, 6877..7002, 6895..7005		

Seq. No.	2504	Seq. ID	OJ990503_06.9C10.C46

Gene No.	5204	Strand	-
Start	3983	End	7161
Name	OJ990503_06.9C10.C46.o2.gs	Method	GENSCAN
Start	3983	End	7002
GI	none	Score	.98
Exons	3983..4298, 4418..4926, 5484..5683, 5765..5979, 6890..7002		

Seq. No.	2504	Seq. ID	OJ990503_06.9C10.C46
Gene No.	5204	Strand	-
Start	3983	End	7161
Name	OJ990503_06.9C10.C46.o1.np	Method	AAT/NAP
Start	3986	End	7002
GI	135399	Score	2246
Exons	3986..4298, 4418..4926, 5484..5683, 5765..5979, 6890..7002		
GI Descrip.	TUBULIN ALPHA-1 CHAIN gi|100716|pir||S20758 tubulin alpha-1 chain - rice gi|20379|emb|CAA77988| (Z11931) alpha 1 tubulin [Oryza sativa] gi|1136124|emb|CAA62918| (X91808) alfa-tubulin [Oryza sativa]		

Seq. No.	2504	Seq. ID	OJ990503_06.9C10.C46
Gene No.	5204	Strand	-
Start	3983	End	7161
Name	OJ990503_06.9C10.C46.o1.ts	Method	TBLASTX:Soybean
Start	4022	End	6984
GI	none	Score	270
Exons	4022..4303, 4033..4143, 4046..4297, 4415..4456, 4417..4482, 4465..4524, 4479..4520, 4522..4713, 4523..4702, 4711..4929, 4715..4927, 4718..4930, 4770..4949, 4779..4928, 5479..5655, 5481..5684, 5482..5682, 5779..5832, 5781..5834, 5782..5835, 5832..5933, 5833..5928, 5836..5940, 6890..6934, 6895..6933, 6934..6984, 6935..6982		

Seq. No.	2504	Seq. ID	OJ990503_06.9C10.C46
Gene No.	5204	Strand	-
Start	3983	End	7161
Name	OJ990503_06.9C10.C46.o1.tw	Method	TBLASTX:Wheat
Start	4046	End	5826
GI	none	Score	307
Exons	4046..4297, 4080..4298, 4096..4299, 4415..4726, 4417..4728, 4417..4725, 5761..5826		

Seq. No.	2504	Seq. ID	OJ990503_06.9C10.C46
Gene No.	5204	Strand	-
Start	3983	End	7161
Name	OJ990503_06.9C10.C46.o2.tw	Method	TBLASTX:Wheat
Start	4730	End	5583
GI	none	Score	213
Exons	4730..4927, 4751..4927, 4753..4929, 4768..4929, 5479..5583, 5482..5562		

Seq. No.	2504	Seq. ID	OJ990503_06.9C10.C46
Gene No.	5204	Strand	-
Start	3983	End	7161
Name	OJ990503_06.9C10.C46.o3.tw	Method	TBLASTX:Wheat
Start	5583	End	7002
GI	none	Score	119
Exons	5583..5684, 5584..5682, 5586..5699, 5826..5978, 5827..5979,		

5829..5981, 6893..6982, 6895..7002

Seq. No.	2505	Seq. ID	OJ990503_06.9C10.C47
Gene No.	5205	Strand	+
Start	60	End	440
Name	OJ990503_06.9C10.C47.o1.gs	Method	GENSCAN
Start	60	End	440
GI	none	Score	.65
Exons	60..195, 272..440		

Seq. No.	2506	Seq. ID	OJ990503_06.9C10.C51
Gene No.	5206	Strand	+
Start	124	End	1249
Name	OJ990503_06.9C10.C51.o1.gs	Method	GENSCAN
Start	124	End	1249
GI	none	Score	.94
Exons	124..288, 345..1249		

Seq. No.	2507	Seq. ID	OJ990503_06.9C10.C53
Gene No.	5207	Strand	-
Start	145	End	280
Name	OJ990503_06.9C10.C53.o1.gs	Method	GENSCAN
Start	145	End	280
GI	none	Score	.7
Exons	145..280		

Seq. No.	2508	Seq. ID	OJ990503_06.9C10.C56
Gene No.	5208	Strand	-
Start	58	End	267
Name	OJ990503_06.9C10.C56.o1.gp	Method	AAT/GAP
Start	58	End	267
GI	none	Score	394
Exons	58..267		

Seq. No.	2509	Seq. ID	OJ990503_06.9C10.C59
Gene No.	5209	Strand	+
Start	163	End	251
Name	OJ990503_06.9C10.C59.o1.gs	Method	GENSCAN
Start	163	End	251
GI	none	Score	.68
Exons	163..251		

Seq. No.	2510	Seq. ID	OJ990503_06.9C10.C61
Gene No.	5210	Strand	-
Start	217	End	326
Name	OJ990503_06.9C10.C61.o1.gs	Method	GENSCAN
Start	217	End	326
GI	none	Score	.73
Exons	217..326		

Seq. No.	2511	Seq. ID	OJ990503_06.9C10.C63
Gene No.	5211	Strand	-
Start	88	End	168
Name	OJ990503_06.9C10.C63.o1.gs	Method	GENSCAN
Start	88	End	168
GI	none	Score	.92
Exons	88..168		

Seq. No.	2512	Seq. ID	OJ990423_05.9C10.C1
Gene No.	5212	Strand	+
Start	1	End	2102
Name	OJ990423_05.9C10.C1.o1.np	Method	AAT/NAP
Start	1	End	1523
GI	3913425	Score	1229
Exons	1..291, 669..794, 873..1111, 1194..1312, 1400..1523		
GI Descrip.	PUTATIVE PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE gi|2275203|gb|AAB63825.1| (AC002337) putative pre-mRNA splicing factor RNA helicase [Arabidopsis thaliana]		

Seq. No.	2512	Seq. ID	OJ990423_05.9C10.C1
Gene No.	5212	Strand	+
Start	1	End	2102
Name	OJ990423_05.9C10.C1.o1.gp	Method	AAT/GAP
Start	58	End	1010
GI	9564_2.R1084	Score	926
Exons	58..291, 669..794, 873..1010		
GI Descrip.	'3913425/sp|O22899|DD15_ARATH 1.0e-113 PUTATIVE PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE >gi_2275203 (AC002337) RNA helicase isolog [Arabidopsis thaliana]'		

Seq. No.	2512	Seq. ID	OJ990423_05.9C10.C1
Gene No.	5212	Strand	+
Start	1	End	2102
Name	OJ990423_05.9C10.C1.o1.gs	Method	GENSCAN
Start	106	End	2102
GI	none	Score	.63
Exons	106..291, 669..794, 873..1111, 1194..1312, 1549..1655, 2026..2102		

Seq. No.	2512	Seq. ID	OJ990423_05.9C10.C1
Gene No.	5213	Strand	-
Start	1425	End	1930
Name	OJ990423_05.9C10.C1.o1.tm	Method	TBLASTX:Maize
Start	57	End	1530
GI	none	Score	379
Exons	57..290, 58..294, 60..290, 92..295, 538..693, 556..579, 571..795, 593..799, 594..797, 866..904, 872..1114, 874..1113, 1170..1325, 1191..1319, 1193..1324, 1226..1330, 1398..1526, 1399..1530, 1401..1487		

Seq. No.	2512	Seq. ID	OJ990423_05.9C10.C1
Gene No.	5213	Strand	-
Start	1425	End	1930
Name	OJ990423_05.9C10.C1.o3.tc	Method	TBLASTX:Cress
Start	57	End	185
GI	none	Score	210
Exons	57..170, 58..183, 60..185		

Seq. No.	2512	Seq. ID	OJ990423_05.9C10.C1
Gene No.	5213	Strand	-
Start	1425	End	1930
Name	OJ990423_05.9C10.C1.o2.ts	Method	TBLASTX:Soybean
Start	60	End	277
GI	none	Score	350

Exons	60..275, 63..272, 92..277, 124..276		
Seq. No.	2512	Seq. ID	OJ990423_05.9C10.C1
Gene No.	5213	Strand	-
Start	1425	End	1930
Name	OJ990423_05.9C10.C1.o1.tc	Method	TBLASTX:Cress
Start	188	End	1030
GI	none	Score	149
Exons	188..289, 189..290, 570..629, 582..602, 630..650, 655..795, 656..799, 846..992, 860..1030, 873..992, 874..1029		
Seq. No.	2512	Seq. ID	OJ990423_05.9C10.C1
Gene No.	5213	Strand	-
Start	1425	End	1930
Name	OJ990423_05.9C10.C1.o1.ts	Method	TBLASTX:Soybean
Start	548	End	1585
GI	none	Score	63
Exons	548..799, 549..629, 554..679, 583..693, 657..728, 659..793, 916..1113, 917..1114, 1170..1319, 1193..1318, 1398..1499, 1401..1487, 1532..1585		
Seq. No.	2512	Seq. ID	OJ990423_05.9C10.C1
Gene No.	5213	Strand	-
Start	1425	End	1930
Name	OJ990423_05.9C10.C1.o2.tc	Method	TBLASTX:Cress
Start	1078	End	1500
GI	none	Score	65
Exons	1078..1113, 1079..1114, 1170..1331, 1193..1318, 1398..1499, 1401..1487, 1405..1500		
Seq. No.	2512	Seq. ID	OJ990423_05.9C10.C1
Gene No.	5213	Strand	-
Start	1425	End	1930
Name	OJ990423_05.9C10.C1.o2.gp	Method	AAT/GAP
Start	1425	End	1930
GI	none	Score	909
Exons	1425..1930		
Seq. No.	2513	Seq. ID	OJ990423_05.9C10.C2
Gene No.	5214	Strand	-
Start	178	End	3706
Name	OJ990423_05.9C10.C2.o1.tm	Method	TBLASTX:Maize
Start	119	End	2064
GI	none	Score	210
Exons	119..337, 161..337, 172..348, 409..513, 413..520, 414..515, 416..520, 611..670, 612..668, 613..681, 765..836, 773..838, 776..841, 928..1017, 929..1033, 930..1031, 930..1034, 1099..1185, 1104..1187, 1116..1187, 1455..1589, 1456..1590, 1662..1751, 1663..1752, 1734..1922, 1753..1920, 1759..1923, 1760..1930, 1996..2064, 1996..2064		
Seq. No.	2513	Seq. ID	OJ990423_05.9C10.C2
Gene No.	5214	Strand	-
Start	178	End	3706
Name	OJ990423_05.9C10.C2.o1.gs	Method	GENSCAN
Start	178	End	3379
GI	none	Score	.87

Exons	178..336, 612..668, 1101..1187, 1458..1573, 1664..1919, 1999..2148, 2586..2744, 3094..3118, 3245..3379		
Seq. No.	2513	Seq. ID	OJ990423_05.9C10.C2
Gene No.	5214	Strand	-
Start	178	End	3706
Name	OJ990423_05.9C10.C2.o2.tc	Method	TBLASTX:Cress
Start	190	End	1520
GI	none	Score	117
Exons	190..348, 409..513, 413..520, 419..529, 611..670, 773..838, 928..1023, 929..1018, 1455..1520, 1455..1520		
Seq. No.	2513	Seq. ID	OJ990423_05.9C10.C2
Gene No.	5214	Strand	-
Start	178	End	3706
Name	OJ990423_05.9C10.C2.o2.tw	Method	TBLASTX:Wheat
Start	190	End	958
GI	none	Score	94
Exons	190..360, 206..343, 409..513, 425..520, 431..520, 611..670, 612..683, 773..838, 785..838, 931..957, 932..958		
Seq. No.	2513	Seq. ID	OJ990423_05.9C10.C2
Gene No.	5214	Strand	-
Start	178	End	3706
Name	OJ990423_05.9C10.C2.o1.ts	Method	TBLASTX:Soybean
Start	301	End	2062
GI	none	Score	114
Exons	301..348, 409..513, 413..520, 611..736, 612..683, 768..842, 773..838, 928..1014, 929..1015, 1098..1187, 1455..1589, 1456..1590, 1662..1922, 1663..1920, 1679..1921, 1996..2061, 2000..2062		
Seq. No.	2513	Seq. ID	OJ990423_05.9C10.C2
Gene No.	5214	Strand	-
Start	178	End	3706
Name	OJ990423_05.9C10.C2.o1.np	Method	AAT/NAP
Start	1050	End	2687
GI	3128234	Score	776
Exons	1050..1187, 1616..1919, 1999..2148, 2586..2687		
GI Descrip.	(AC004077) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	2513	Seq. ID	OJ990423_05.9C10.C2
Gene No.	5214	Strand	-
Start	178	End	3706
Name	OJ990423_05.9C10.C2.o1.tw	Method	TBLASTX:Wheat
Start	1455	End	1770
GI	none	Score	139
Exons	1455..1565, 1456..1566, 1659..1769, 1662..1769, 1663..1770		
Seq. No.	2513	Seq. ID	OJ990423_05.9C10.C2
Gene No.	5214	Strand	-
Start	178	End	3706
Name	OJ990423_05.9C10.C2.o1.tc	Method	TBLASTX:Cress
Start	1521	End	2126
GI	none	Score	77
Exons	1521..1586, 1522..1587, 1659..1766, 1662..1781, 1663..1788, 1780..1923, 1782..1922, 1796..1927, 1996..2112, 1996..2124,		

1998..2126, 2003..2125

Seq. No.	2513	Seq. ID	OJ990423_05.9C10.C2
Gene No.	5214	Strand	-
Start	178	End	3706
Name	OJ990423_05.9C10.C2.o1.gp	Method	AAT/GAP
Start	1683	End	2705
GI	13350_1.R1084	Score	927
Exons	1683..1919, 1999..2148, 2586..2705		
GI Descrip.	'3128234 6.0e-81 (AC004077) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	2513	Seq. ID	OJ990423_05.9C10.C2
Gene No.	5214	Strand	-
Start	178	End	3706
Name	OJ990423_05.9C10.C2.o2.ts	Method	TBLASTX:Soybean
Start	2062	End	3704
GI	none	Score	101
Exons	2062..2154, 2063..2149, 2065..2154, 2574..2747, 2575..2697, 2828..2863, 2944..3015, 2951..3013, 3630..3704		

Seq. No.	2513	Seq. ID	OJ990423_05.9C10.C2
Gene No.	5214	Strand	-
Start	178	End	3706
Name	OJ990423_05.9C10.C2.o2.tm	Method	TBLASTX:Maize
Start	2065	End	2997
GI	none	Score	114
Exons	2065..2154, 2065..2154, 2541..2645, 2542..2742, 2574..2747, 2690..2749, 2944..2997		

Seq. No.	2513	Seq. ID	OJ990423_05.9C10.C2
Gene No.	5214	Strand	-
Start	178	End	3706
Name	OJ990423_05.9C10.C2.o3.tc	Method	TBLASTX:Cress
Start	2592	End	3015
GI	none	Score	86
Exons	2592..2747, 2596..2697, 2678..2746, 2944..3015, 2945..3013		

Seq. No.	2513	Seq. ID	OJ990423_05.9C10.C2
Gene No.	5214	Strand	-
Start	178	End	3706
Name	OJ990423_05.9C10.C2.o2.gp	Method	AAT/GAP
Start	3076	End	3706
GI	2310941	Score	447
Exons	3076..3149, 3245..3382, 3610..3706		

Seq. No.	2514	Seq. ID	OJ990423_05.9C10.C3
Gene No.	5215	Strand	+
Start	1368	End	1523
Name	OJ990423_05.9C10.C3.o1.gs	Method	GENSCAN
Start	1368	End	1523
GI	none	Score	.69
Exons	1368..1523		

Seq. No.	2514	Seq. ID	OJ990423_05.9C10.C3
Gene No.	5216	Strand	-
Start	3229	End	3702

Name	OJ990423_05.9C10.C3.o2.gs	Method	GENSCAN
Start	3229	End	3702
GI	none	Score	.85
Exons	3229..3357, 3670..3702		

Seq. No.	2515	Seq. ID	OJ990423_05.9C10.C4
Gene No.	5217	Strand	+
Start	1	End	832
Name	OJ990423_05.9C10.C4.o1.np	Method	AAT/NAP
Start	1	End	832
GI	5262797	Score	583
Exons	1..832		
GI Descrip.	(AL080282) putative protein (fragment) [Arabidopsis thaliana]		

Seq. No.	2515	Seq. ID	OJ990423_05.9C10.C4
Gene No.	5218	Strand	-
Start	2659	End	6889
Name	OJ990423_05.9C10.C4.o1.tc	Method	TBLASTX:Cress
Start	15	End	575
GI	none	Score	333
Exons	15..473, 63..344, 132..392, 179..451, 474..575, 486..575		

Seq. No.	2515	Seq. ID	OJ990423_05.9C10.C4
Gene No.	5218	Strand	-
Start	2659	End	6889
Name	OJ990423_05.9C10.C4.o1.tw	Method	TBLASTX:Wheat
Start	15	End	494
GI	none	Score	81
Exons	15..128, 17..361, 18..455, 351..461, 365..430, 366..494		

Seq. No.	2515	Seq. ID	OJ990423_05.9C10.C4
Gene No.	5218	Strand	-
Start	2659	End	6889
Name	OJ990423_05.9C10.C4.o2.ts	Method	TBLASTX:Soybean
Start	50	End	356
GI	none	Score	202
Exons	50..307, 51..356		

Seq. No.	2515	Seq. ID	OJ990423_05.9C10.C4
Gene No.	5218	Strand	-
Start	2659	End	6889
Name	OJ990423_05.9C10.C4.o1.tm	Method	TBLASTX:Maize
Start	54	End	779
GI	none	Score	158
Exons	54..353, 186..350, 333..779, 353..616		

Seq. No.	2515	Seq. ID	OJ990423_05.9C10.C4
Gene No.	5218	Strand	-
Start	2659	End	6889
Name	OJ990423_05.9C10.C4.o1.ts	Method	TBLASTX:Soybean
Start	363	End	722
GI	none	Score	283
Exons	363..650, 365..598, 441..653, 654..722		

Seq. No.	2515	Seq. ID	OJ990423_05.9C10.C4
Gene No.	5218	Strand	-
Start	2659	End	6889

Name	OJ990423_05.9C10.C4.o2.np	Method	AAT/NAP
Start	2659	End	6889
GI	5042454	Score	240
Exons	2659..2712, 2959..3134, 6853..6889		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	2516	Seq. ID	OJ990423_05.9C10.C5
Gene No.	5219	Strand	+
Start	3883	End	7282
Name	OJ990423_05.9C10.C5.o2.gs	Method	GENSCAN
Start	3883	End	7282
GI	none	Score	.49
Exons	3883..3956, 6666..7032, 7094..7282		

Seq. No.	2516	Seq. ID	OJ990423_05.9C10.C5
Gene No.	5219	Strand	+
Start	3883	End	7282
Name	OJ990423_05.9C10.C5.o1.tm	Method	TBLASTX:Maize
Start	6702	End	6963
GI	none	Score	139
Exons	6702..6875, 6706..6891, 6706..6774, 6750..6875, 6907..6963		

Seq. No.	2517	Seq. ID	OJ990423_05.9C10.C6
Gene No.	5220	Strand	+
Start	200	End	2764
Name	OJ990423_05.9C10.C6.o1.np	Method	AAT/NAP
Start	200	End	2764
GI	5263319	Score	527
Exons	200..784, 971..1120, 1272..1458, 1547..1759, 1790..2038, 2066..2124, 2663..2764		
GI Descrip.	(AC007727) ESTs gb|N96028, gb|F14286, gb|T20680, gb|F14443, gb|AA657300 and gb|N65244 come from this gene. [Arabidopsis thaliana]		

Seq. No.	2517	Seq. ID	OJ990423_05.9C10.C6
Gene No.	5220	Strand	+
Start	200	End	2764
Name	OJ990423_05.9C10.C6.o1.gs	Method	GENSCAN
Start	203	End	2253
GI	none	Score	.93
Exons	203..753, 938..1120, 1260..1458, 1547..2253		

Seq. No.	2517	Seq. ID	OJ990423_05.9C10.C6
Gene No.	5221	Strand	+
Start	3177	End	8779
Name	OJ990423_05.9C10.C6.o2.gs	Method	GENSCAN
Start	3177	End	3482
GI	none	Score	.69
Exons	3177..3482		

Seq. No.	2517	Seq. ID	OJ990423_05.9C10.C6
Gene No.	5221	Strand	+
Start	3177	End	8779
Name	OJ990423_05.9C10.C6.o2.np	Method	AAT/NAP
Start	3282	End	5854
GI	4558563	Score	257
Exons	3282..3428, 4437..4665, 4797..4912, 5831..5854		

GI Descrip.	(AC007138) putative NifU-like metallocluster assembly factor [Arabidopsis thaliana]		
Seq. No.	2517	Seq. ID	OJ990423_05.9C10.C6
Gene No.	5221	Strand	+
Start	3177	End	8779
Name	OJ990423_05.9C10.C6.o3.gs	Method	GENSCAN
Start	4308	End	8606
GI	none	Score	.76
Exons	4308..4650, 4782..4882, 4998..5182, 8336..8390, 8505..8606		
Seq. No.	2517	Seq. ID	OJ990423_05.9C10.C6
Gene No.	5221	Strand	+
Start	3177	End	8779
Name	OJ990423_05.9C10.C6.o2.gp	Method	AAT/GAP
Start	8072	End	8779
GI	2311721	Score	865
Exons	8072..8207, 8336..8390, 8505..8779		
GI Descrip.	5672526/dbj|AP000384.1|AP000384 9.0e-09 Arabidopsis thaliana genomic DNA, chromosome 3, P1 clone:MCE21, complete sequence		
Seq. No.	2517	Seq. ID	OJ990423_05.9C10.C6
Gene No.	5222	Strand	-
Start	5027	End	5395
Name	OJ990423_05.9C10.C6.o1.gp	Method	AAT/GAP
Start	5027	End	5395
GI	13164_1.R1084	Score	705
Exons	5027..5395		
GI Descrip.	'5672526/dbj|AP000384.1|AP000384 9.0e-09 Arabidopsis thaliana genomic DNA, chromosome 3, P1 clone:MCE21, complete sequence'		
Seq. No.	2517	Seq. ID	OJ990423_05.9C10.C6
Gene No.	5223	Strand	-
Start	11301	End	20247
Name	OJ990423_05.9C10.C6.o1.tm	Method	TBLASTX:Maize
Start	666	End	2286
GI	none	Score	67
Exons	666..743, 669..743, 670..753, 944..1120, 950..1099, 958..1113, 1259..1315, 1260..1310, 1295..1465, 1296..1466, 1542..1610, 1545..1610, 1546..1665, 1621..1815, 1642..1674, 1656..1871, 1833..2255, 1855..2286		
Seq. No.	2517	Seq. ID	OJ990423_05.9C10.C6
Gene No.	5223	Strand	-
Start	11301	End	20247
Name	OJ990423_05.9C10.C6.o3.tm	Method	TBLASTX:Maize
Start	4298	End	5215
GI	none	Score	302
Exons	4298..4447, 4362..4652, 4530..4652, 4574..4654, 4757..4897, 4798..4887, 4995..5177, 4995..5177, 5114..5215		
Seq. No.	2517	Seq. ID	OJ990423_05.9C10.C6
Gene No.	5223	Strand	-
Start	11301	End	20247
Name	OJ990423_05.9C10.C6.o2.ts	Method	TBLASTX:Soybean
Start	4509	End	5177
GI	none	Score	189

Exons	4509..4652, 4509..4652, 4511..4654, 4757..4888, 4798..4884, 4992..5177, 4995..5177		
Seq. No.	2517	Seq. ID	OJ990423_05.9C10.C6
Gene No.	5223	Strand	-
Start	11301	End	20247
Name	OJ990423_05.9C10.C6.o3.tc	Method	TBLASTX:Cress
Start	4509	End	5177
GI	none	Score	178
Exons	4509..4652, 4509..4679, 4574..4654, 4757..4897, 4777..4884, 4992..5105, 4995..5126, 5108..5170, 5109..5177		
Seq. No.	2517	Seq. ID	OJ990423_05.9C10.C6
Gene No.	5223	Strand	-
Start	11301	End	20247
Name	OJ990423_05.9C10.C6.o3.tw	Method	TBLASTX:Wheat
Start	5049	End	5201
GI	none	Score	185
Exons	5049..5201, 5049..5186, 5084..5191		
Seq. No.	2517	Seq. ID	OJ990423_05.9C10.C6
Gene No.	5223	Strand	-
Start	11301	End	20247
Name	OJ990423_05.9C10.C6.o4.gs	Method	GENSCAN
Start	11301	End	20247
GI	none	Score	.82
Exons	11301..11308, 14724..14805, 16440..16488, 16652..16796, 16887..17145, 17276..17487, 17578..17743, 19520..20022, 20125..20247		
Seq. No.	2517	Seq. ID	OJ990423_05.9C10.C6
Gene No.	5223	Strand	-
Start	11301	End	20247
Name	OJ990423_05.9C10.C6.o4.tm	Method	TBLASTX:Maize
Start	16000	End	17405
GI	none	Score	69
Exons	16000..16062, 16020..16064, 16048..16344, 16071..16295, 16071..16355, 16087..16356, 16440..16487, 16441..16494, 16457..16510, 17276..17404, 17277..17405		
Seq. No.	2517	Seq. ID	OJ990423_05.9C10.C6
Gene No.	5223	Strand	-
Start	11301	End	20247
Name	OJ990423_05.9C10.C6.o3.ts	Method	TBLASTX:Soybean
Start	16015	End	16806
GI	none	Score	270
Exons	16015..16344, 16015..16344, 16017..16355, 16211..16351, 16440..16484, 16440..16487, 16441..16494, 16651..16806, 16652..16804		
Seq. No.	2517	Seq. ID	OJ990423_05.9C10.C6
Gene No.	5223	Strand	-
Start	11301	End	20247
Name	OJ990423_05.9C10.C6.o4.tc	Method	TBLASTX:Cress
Start	16020	End	16301
GI	none	Score	104
Exons	16020..16277, 16020..16091, 16021..16296, 16131..16301		

Seq. No.	2517	Seq. ID	OJ990423_05.9C10.C6
Gene No.	5223	Strand	-
Start	11301	End	20247
Name	OJ990423_05.9C10.C6.o3.np	Method	AAT/NAP
Start	16023	End	19822
GI	4200165	Score	1949
Exons	16023..16343, 16440..16488, 16652..17145, 17276..17487, 17578..17743, 19520..19822		
GI Descrip.	(Y16262) neutral invertase [Daucus carota]		

Seq. No.	2517	Seq. ID	OJ990423_05.9C10.C6
Gene No.	5223	Strand	-
Start	11301	End	20247
Name	OJ990423_05.9C10.C6.o2.tc	Method	TBLASTX:Cress
Start	16302	End	16987
GI	none	Score	45
Exons	16302..16355, 16303..16344, 16440..16487, 16441..16494, 16651..16983, 16651..16986, 16652..16987		

Seq. No.	2517	Seq. ID	OJ990423_05.9C10.C6
Gene No.	5223	Strand	-
Start	11301	End	20247
Name	OJ990423_05.9C10.C6.o2.tm	Method	TBLASTX:Maize
Start	16675	End	17151
GI	none	Score	575
Exons	16675..17151, 16676..17140		

Seq. No.	2517	Seq. ID	OJ990423_05.9C10.C6
Gene No.	5223	Strand	-
Start	11301	End	20247
Name	OJ990423_05.9C10.C6.o1.ts	Method	TBLASTX:Soybean
Start	16807	End	19792
GI	none	Score	261
Exons	16807..17151, 16811..17143, 17276..17323, 17276..17332, 17328..17360, 17330..17359, 17358..17489, 17360..17464, 17361..17489, 17571..17744, 17576..17770, 19526..19639, 19527..19634, 19661..19792, 19662..19790		

Seq. No.	2517	Seq. ID	OJ990423_05.9C10.C6
Gene No.	5223	Strand	-
Start	11301	End	20247
Name	OJ990423_05.9C10.C6.o2.tw	Method	TBLASTX:Wheat
Start	16897	End	17151
GI	none	Score	68
Exons	16897..17151, 16898..16987, 16971..17051		

Seq. No.	2517	Seq. ID	OJ990423_05.9C10.C6
Gene No.	5223	Strand	-
Start	11301	End	20247
Name	OJ990423_05.9C10.C6.o1.tc	Method	TBLASTX:Cress
Start	17035	End	19768
GI	none	Score	102
Exons	17035..17151, 17039..17143, 17276..17464, 17277..17489, 17571..17744, 17572..17745, 17576..17770, 19520..19639, 19524..19637, 19652..19768, 19653..19739		

Seq. No.	2517	Seq. ID	OJ990423_05.9C10.C6
Gene No.	5223	Strand	-
Start	11301	End	20247
Name	OJ990423_05.9C10.C6.o1.tw	Method	TBLASTX:Wheat
Start	17280	End	17732
GI	none	Score	176
Exons	17280..17489, 17282..17464, 17304..17483, 17574..17639, 17576..17674, 17678..17728, 17679..17732		

Seq. No.	2517	Seq. ID	OJ990423_05.9C10.C6
Gene No.	5223	Strand	-
Start	11301	End	20247
Name	OJ990423_05.9C10.C6.o5.tm	Method	TBLASTX:Maize
Start	17405	End	17747
GI	none	Score	70
Exons	17405..17464, 17406..17489, 17571..17747, 17576..17746		

Seq. No.	2517	Seq. ID	OJ990423_05.9C10.C6
Gene No.	5223	Strand	-
Start	11301	End	20247
Name	OJ990423_05.9C10.C6.o6.tm	Method	TBLASTX:Maize
Start	19520	End	19863
GI	none	Score	83
Exons	19520..19639, 19524..19637, 19652..19813, 19655..19720, 19801..19863		

Seq. No.	2518	Seq. ID	OJ990423_05.9C10.C7
Gene No.	5224	Strand	+
Start	1070	End	12634
Name	OJ990423_05.9C10.C7.o1.gs	Method	GENSCAN
Start	1070	End	8890
GI	none	Score	.5
Exons	1070..1111, 1448..1576, 2303..2416, 5648..5781, 5860..5908, 5914..6289, 6696..6938, 6966..7225, 7242..7529, 7664..8247, 8356..8512, 8564..8890		

Seq. No.	2518	Seq. ID	OJ990423_05.9C10.C7
Gene No.	5224	Strand	+
Start	1070	End	12634
Name	OJ990423_05.9C10.C7.o1.np	Method	AAT/NAP
Start	7868	End	12634
GI	4206306	Score	2678
Exons	7868..7956, 8965..12293, 12611..12634		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	2518	Seq. ID	OJ990423_05.9C10.C7
Gene No.	5225	Strand	-
Start	13253	End	15573
Name	OJ990423_05.9C10.C7.o7.tw	Method	TBLASTX:Wheat
Start	7907	End	8266
GI	none	Score	185
Exons	7907..8266, 8086..8247		

Seq. No.	2518	Seq. ID	OJ990423_05.9C10.C7
Gene No.	5225	Strand	-
Start	13253	End	15573
Name	OJ990423_05.9C10.C7.o5.tw	Method	TBLASTX:Wheat

Start	9113	End	9472
GI	none	Score	86
Exons	9113..9244, 9250..9471, 9251..9472		

Seq. No.	2518	Seq. ID	OJ990423_05.9C10.C7
Gene No.	5225	Strand	-
Start	13253	End	15573
Name	OJ990423_05.9C10.C7.o3.tw	Method	TBLASTX:Wheat
Start	9763	End	10029
GI	none	Score	301
Exons	9763..10029, 9768..10025, 9847..10029		

Seq. No.	2518	Seq. ID	OJ990423_05.9C10.C7
Gene No.	5225	Strand	-
Start	13253	End	15573
Name	OJ990423_05.9C10.C7.o1.tm	Method	TBLASTX:Maize
Start	9804	End	10161
GI	none	Score	406
Exons	9804..10160, 9805..10161		

Seq. No.	2518	Seq. ID	OJ990423_05.9C10.C7
Gene No.	5225	Strand	-
Start	13253	End	15573
Name	OJ990423_05.9C10.C7.o1.tw	Method	TBLASTX:Wheat
Start	10030	End	10449
GI	none	Score	442
Exons	10030..10449, 10032..10199, 10042..10302, 10233..10448		

Seq. No.	2518	Seq. ID	OJ990423_05.9C10.C7
Gene No.	5225	Strand	-
Start	13253	End	15573
Name	OJ990423_05.9C10.C7.o2.tm	Method	TBLASTX:Maize
Start	10189	End	10572
GI	none	Score	393
Exons	10189..10572, 10302..10559		

Seq. No.	2518	Seq. ID	OJ990423_05.9C10.C7
Gene No.	5225	Strand	-
Start	13253	End	15573
Name	OJ990423_05.9C10.C7.o1.ts	Method	TBLASTX:Soybean
Start	10291	End	10709
GI	none	Score	273
Exons	10291..10674, 10341..10484, 10599..10709		

Seq. No.	2518	Seq. ID	OJ990423_05.9C10.C7
Gene No.	5225	Strand	-
Start	13253	End	15573
Name	OJ990423_05.9C10.C7.o6.tw	Method	TBLASTX:Wheat
Start	10450	End	10665
GI	none	Score	209
Exons	10450..10665, 10455..10559		

Seq. No.	2518	Seq. ID	OJ990423_05.9C10.C7
Gene No.	5225	Strand	-
Start	13253	End	15573
Name	OJ990423_05.9C10.C7.o3.ts	Method	TBLASTX:Soybean
Start	10939	End	11298

GI	none	Score	69
Exons	10939..11037, 10947..11036, 11077..11298, 11079..11297		

Seq. No.	2518	Seq. ID	OJ990423_05.9C10.C7
Gene No.	5225	Strand	-
Start	13253	End	15573
Name	OJ990423_05.9C10.C7.o2.tw	Method	TBLASTX:Wheat
Start	10941	End	11373
GI	none	Score	329
Exons	10941..11057, 10942..11373, 11082..11366		

Seq. No.	2518	Seq. ID	OJ990423_05.9C10.C7
Gene No.	5225	Strand	-
Start	13253	End	15573
Name	OJ990423_05.9C10.C7.o4.tm	Method	TBLASTX:Maize
Start	11574	End	11839
GI	none	Score	217
Exons	11574..11837, 11681..11839		

Seq. No.	2518	Seq. ID	OJ990423_05.9C10.C7
Gene No.	5225	Strand	-
Start	13253	End	15573
Name	OJ990423_05.9C10.C7.o4.tw	Method	TBLASTX:Wheat
Start	11682	End	12071
GI	none	Score	273
Exons	11682..12071, 11726..11893, 11948..11989		

Seq. No.	2518	Seq. ID	OJ990423_05.9C10.C7
Gene No.	5225	Strand	-
Start	13253	End	15573
Name	OJ990423_05.9C10.C7.o3.tm	Method	TBLASTX:Maize
Start	11840	End	12203
GI	none	Score	379
Exons	11840..12202, 11841..12203		

Seq. No.	2518	Seq. ID	OJ990423_05.9C10.C7
Gene No.	5225	Strand	-
Start	13253	End	15573
Name	OJ990423_05.9C10.C7.o2.ts	Method	TBLASTX:Soybean
Start	11844	End	12218
GI	none	Score	104
Exons	11844..11987, 11994..12218		

Seq. No.	2518	Seq. ID	OJ990423_05.9C10.C7
Gene No.	5225	Strand	-
Start	13253	End	15573
Name	OJ990423_05.9C10.C7.o3.gs	Method	GENSCAN
Start	13253	End	15573
GI	none	Score	.59
Exons	13253..13660, 13924..14061, 14070..14732, 14803..15323, 15392..15573		

Seq. No.	2519	Seq. ID	OJ990423_05.9C10.C8
Gene No.	5226	Strand	-
Start	12	End	1387
Name	OJ990423_05.9C10.C8.o1.gs	Method	GENSCAN
Start	12	End	1387

GI	none	Score	.78
Exons	12..460, 549..777, 832..1089,	1112..1387	

Seq. No.	2520	Seq. ID	OJ990423_05.9C10.C10
Gene No.	5227	Strand	+
Start	490	End	2322
Name	OJ990423_05.9C10.C10.o1.np	Method	AAT/NAP
Start	490	End	786
GI	5777617	Score	97
Exons	490..786		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	2520	Seq. ID	OJ990423_05.9C10.C10
Gene No.	5227	Strand	+
Start	490	End	2322
Name	OJ990423_05.9C10.C10.o1.gs	Method	GENSCAN
Start	657	End	2307
GI	none	Score	.56
Exons	657..705, 946..1223, 1388..1550, 1621..1698, 1772..2307		

Seq. No.	2520	Seq. ID	OJ990423_05.9C10.C10
Gene No.	5227	Strand	+
Start	490	End	2322
Name	OJ990423_05.9C10.C10.o2.np	Method	AAT/NAP
Start	1621	End	2322
GI	3153821	Score	73
Exons	1621..2322		
GI Descrip.	(AF062655) plenty-of-prolines-101; POP101; SH3-philo-protein [Mus musculus]		

Seq. No.	2521	Seq. ID	OJ990423_05.9C10.C12
Gene No.	5228	Strand	-
Start	791	End	2750
Name	OJ990423_05.9C10.C12.o1.np	Method	AAT/NAP
Start	791	End	2750
GI	2586082	Score	2152
Exons	791..2750		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	2521	Seq. ID	OJ990423_05.9C10.C12
Gene No.	5228	Strand	-
Start	791	End	2750
Name	OJ990423_05.9C10.C12.o3.tc	Method	TBLASTX:Cress
Start	815	End	1264
GI	none	Score	88
Exons	815..1009, 1008..1166, 1043..1165, 1175..1264		

Seq. No.	2521	Seq. ID	OJ990423_05.9C10.C12
Gene No.	5228	Strand	-
Start	791	End	2750
Name	OJ990423_05.9C10.C12.o3.tw	Method	TBLASTX:Wheat
Start	839	End	1165
GI	none	Score	40
Exons	839..1021, 840..1010, 1040..1165, 1064..1159		

Seq. No.	2521	Seq. ID	OJ990423_05.9C10.C12
Gene No.	5228	Strand	-

Start	791	End	2750
Name	OJ990423_05.9C10.C12.o1.ts	Method	TBLASTX:Soybean
Start	842	End	1438
GI	none	Score	207
Exons	842..1438, 852..1250, 1305..1436		

Seq. No.	2521	Seq. ID	OJ990423_05.9C10.C12
Gene No.	5228	Strand	-
Start	791	End	2750
Name	OJ990423_05.9C10.C12.o1.tm	Method	TBLASTX:Maize
Start	848	End	1312
GI	none	Score	193
Exons	848..1135, 858..1136, 1137..1268, 1142..1270, 1250..1312		

Seq. No.	2521	Seq. ID	OJ990423_05.9C10.C12
Gene No.	5228	Strand	-
Start	791	End	2750
Name	OJ990423_05.9C10.C12.o1.tw	Method	TBLASTX:Wheat
Start	1202	End	1639
GI	none	Score	42
Exons	1202..1639, 1203..1244, 1307..1474, 1317..1634		

Seq. No.	2521	Seq. ID	OJ990423_05.9C10.C12
Gene No.	5228	Strand	-
Start	791	End	2750
Name	OJ990423_05.9C10.C12.o3.tm	Method	TBLASTX:Maize
Start	1313	End	1507
GI	none	Score	171
Exons	1313..1507, 1314..1505		

Seq. No.	2521	Seq. ID	OJ990423_05.9C10.C12
Gene No.	5228	Strand	-
Start	791	End	2750
Name	OJ990423_05.9C10.C12.o2.tc	Method	TBLASTX:Cress
Start	1511	End	1753
GI	none	Score	87
Exons	1511..1753, 1512..1691		

Seq. No.	2521	Seq. ID	OJ990423_05.9C10.C12
Gene No.	5228	Strand	-
Start	791	End	2750
Name	OJ990423_05.9C10.C12.o2.tm	Method	TBLASTX:Maize
Start	1574	End	2021
GI	none	Score	141
Exons	1574..2020, 1701..2021		

Seq. No.	2521	Seq. ID	OJ990423_05.9C10.C12
Gene No.	5228	Strand	-
Start	791	End	2750
Name	OJ990423_05.9C10.C12.o2.tw	Method	TBLASTX:Wheat
Start	1640	End	2153
GI	none	Score	97
Exons	1640..1816, 1808..2152, 1812..2000, 2055..2153		

Seq. No.	2521	Seq. ID	OJ990423_05.9C10.C12
Gene No.	5228	Strand	-
Start	791	End	2750

Name	OJ990423_05.9C10.C12.o2.ts	Method	TBLASTX:Soybean
Start	1817	End	2335
GI	5509260	Score	122
Exons	1817..2335, 1845..1994, 1873..1995, 2034..2198, 2177..2335		
GI Descrip.	-		

Seq. No.	2521	Seq. ID	OJ990423_05.9C10.C12
Gene No.	5228	Strand	-
Start	791	End	2750
Name	OJ990423_05.9C10.C12.o1.tc	Method	TBLASTX:Cress
Start	1934	End	2204
GI	none	Score	172
Exons	1934..2203, 1935..2204		

Seq. No.	2521	Seq. ID	OJ990423_05.9C10.C12
Gene No.	5228	Strand	-
Start	791	End	2750
Name	OJ990423_05.9C10.C12.o4.tm	Method	TBLASTX:Maize
Start	2021	End	2272
GI	none	Score	138
Exons	2021..2272, 2022..2240, 2048..2272		

Seq. No.	2522	Seq. ID	OJ990423_05.9C10.C13
Gene No.	5229	Strand	-
Start	1	End	1763
Name	OJ990423_05.9C10.C13.o1.np	Method	AAT/NAP
Start	1	End	1763
GI	2586082	Score	1801
Exons	1..1763		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	2522	Seq. ID	OJ990423_05.9C10.C13
Gene No.	5229	Strand	-
Start	1	End	1763
Name	OJ990423_05.9C10.C13.o1.tm	Method	TBLASTX:Maize
Start	3	End	395
GI	none	Score	65
Exons	3..329, 306..395		

Seq. No.	2522	Seq. ID	OJ990423_05.9C10.C13
Gene No.	5229	Strand	-
Start	1	End	1763
Name	OJ990423_05.9C10.C13.o1.tc	Method	TBLASTX:Cress
Start	6	End	405
GI	none	Score	69
Exons	6..404, 124..405		

Seq. No.	2522	Seq. ID	OJ990423_05.9C10.C13
Gene No.	5229	Strand	-
Start	1	End	1763
Name	OJ990423_05.9C10.C13.o1.ts	Method	TBLASTX:Soybean
Start	18	End	377
GI	none	Score	37
Exons	18..377, 25..90, 124..339		

Seq. No.	2522	Seq. ID	OJ990423_05.9C10.C13
Gene No.	5229	Strand	-

Start	1	End	1763
Name	OJ990423_05.9C10.C13.o2.tw	Method	TBLASTX:Wheat
Start	21	End	586
GI	none	Score	66
Exons	21..83, 120..179, 192..425, 419..586, 420..566		

Seq. No.	2522	Seq. ID	OJ990423_05.9C10.C13
Gene No.	5229	Strand	-
Start	1	End	1763
Name	OJ990423_05.9C10.C13.o1.gs	Method	GENSCAN
Start	322	End	1705
GI	none	Score	.58
Exons	322..335, 1093..1705		

Seq. No.	2522	Seq. ID	OJ990423_05.9C10.C13
Gene No.	5229	Strand	-
Start	1	End	1763
Name	OJ990423_05.9C10.C13.o2.ts	Method	TBLASTX:Soybean
Start	422	End	817
GI	none	Score	82
Exons	422..583, 593..706, 713..817		

Seq. No.	2522	Seq. ID	OJ990423_05.9C10.C13
Gene No.	5229	Strand	-
Start	1	End	1763
Name	OJ990423_05.9C10.C13.o2.tc	Method	TBLASTX:Cress
Start	518	End	806
GI	none	Score	42
Exons	518..562, 518..592, 590..712, 594..707, 740..805, 783..806		

Seq. No.	2522	Seq. ID	OJ990423_05.9C10.C13
Gene No.	5229	Strand	-
Start	1	End	1763
Name	OJ990423_05.9C10.C13.o2.tm	Method	TBLASTX:Maize
Start	878	End	1177
GI	none	Score	102
Exons	878..1177, 888..1172, 908..1177		

Seq. No.	2522	Seq. ID	OJ990423_05.9C10.C13
Gene No.	5229	Strand	-
Start	1	End	1763
Name	OJ990423_05.9C10.C13.o1.tw	Method	TBLASTX:Wheat
Start	882	End	1267
GI	none	Score	242
Exons	882..1217, 884..1267, 1135..1245, 1157..1249		

Seq. No.	2523	Seq. ID	OJ990423_05.9C10.C14
Gene No.	5230	Strand	+
Start	314	End	3297
Name	OJ990423_05.9C10.C14.o1.gs	Method	GENSCAN
Start	314	End	3297
GI	none	Score	.82
Exons	314..431, 512..606, 1103..1188, 3118..3297		

Seq. No.	2523	Seq. ID	OJ990423_05.9C10.C14
Gene No.	5231	Strand	+
Start	20412	End	20836

Name	OJ990423_05.9C10.C14.o2.gp	Method	AAT/GAP
Start	20412	End	20836
GI	LIB3477-003-P1-K1-E9	Score	136
Exons	20412..20502, 20813..20836		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	2523	Seq. ID	OJ990423_05.9C10.C14
Gene No.	5232	Strand	-
Start	5356	End	6383
Name	OJ990423_05.9C10.C14.o2.gs	Method	GENSCAN
Start	5356	End	6383
GI	none	Score	.83
Exons	5356..5481, 5787..5892, 6075..6235, 6378..6383		

Seq. No.	2523	Seq. ID	OJ990423_05.9C10.C14
Gene No.	5233	Strand	-
Start	7451	End	12090
Name	OJ990423_05.9C10.C14.o3.gs	Method	GENSCAN
Start	7451	End	11889
GI	none	Score	.89
Exons	7451..7534, 9547..9820, 10439..11246, 11733..11889		

Seq. No.	2523	Seq. ID	OJ990423_05.9C10.C14
Gene No.	5233	Strand	-
Start	7451	End	12090
Name	OJ990423_05.9C10.C14.o1.np	Method	AAT/NAP
Start	10347	End	11907
GI	1002800	Score	639
Exons	10347..10452, 10937..11246, 11733..11907		
GI Descrip.	(U33917) Cpm7 [Craterostigma plantagineum]		

Seq. No.	2523	Seq. ID	OJ990423_05.9C10.C14
Gene No.	5233	Strand	-
Start	7451	End	12090
Name	OJ990423_05.9C10.C14.o1.gp	Method	AAT/GAP
Start	11129	End	12090
GI	uC-osrocyp014d02b1	Score	892
Exons	11129..11246, 11733..12090		
GI Descrip.	'1002800 2.0e-33 (U33917) Cpm7 [Craterostigma plantagineum]'		

Seq. No.	2523	Seq. ID	OJ990423_05.9C10.C14
Gene No.	5234	Strand	-
Start	12331	End	12871
Name	OJ990423_05.9C10.C14.o4.gs	Method	GENSCAN
Start	12331	End	12871
GI	none	Score	.82
Exons	12331..12461, 12544..12627, 12697..12871		

Seq. No.	2523	Seq. ID	OJ990423_05.9C10.C14
Gene No.	5235	Strand	-
Start	14182	End	16096
Name	OJ990423_05.9C10.C14.o1.ts	Method	TBLASTX:Soybean
Start	10897	End	11835
GI	none	Score	256
Exons	10897..11250, 10949..11251, 11699..11821, 11731..11835,		

11740..11832

Seq. No.	2523	Seq. ID	OJ990423_05.9C10.C14
Gene No.	5235	Strand	-
Start	14182	End	16096
Name	OJ990423_05.9C10.C14.o1.tc	Method	TBLASTX:Cress
Start	10948	End	11835
GI	none	Score	220
Exons	10948..11250, 10949..11248, 11699..11821, 11731..11835		

Seq. No.	2523	Seq. ID	OJ990423_05.9C10.C14
Gene No.	5235	Strand	-
Start	14182	End	16096
Name	OJ990423_05.9C10.C14.o1.tm	Method	TBLASTX:Maize
Start	10978	End	11835
GI	none	Score	101
Exons	10978..11250, 11033..11179, 11056..11247, 11731..11835		

Seq. No.	2523	Seq. ID	OJ990423_05.9C10.C14
Gene No.	5235	Strand	-
Start	14182	End	16096
Name	OJ990423_05.9C10.C14.o1.tw	Method	TBLASTX:Wheat
Start	11038	End	11826
GI	none	Score	89
Exons	11038..11250, 11051..11179, 11176..11247, 11731..11826, 11732..11818, 11743..11823		

Seq. No.	2523	Seq. ID	OJ990423_05.9C10.C14
Gene No.	5235	Strand	-
Start	14182	End	16096
Name	OJ990423_05.9C10.C14.o5.gs	Method	GENSCAN
Start	14182	End	16096
GI	none	Score	.54
Exons	14182..14313, 14391..14496, 14567..14931, 16004..16096		

Seq. No.	2524	Seq. ID	OJ990423_05.9C10.C15
Gene No.	5236	Strand	-
Start	6427	End	12599
Name	OJ990423_05.9C10.C15.o2.gs	Method	GENSCAN
Start	6427	End	12590
GI	none	Score	.63
Exons	6427..6868, 6885..6937, 7632..7701, 8156..8265, 8841..8927, 9011..9121, 9208..9489, 9708..9788, 10360..10635, 12387..12590		

Seq. No.	2524	Seq. ID	OJ990423_05.9C10.C15
Gene No.	5236	Strand	-
Start	6427	End	12599
Name	OJ990423_05.9C10.C15.o1.gp	Method	AAT/GAP
Start	8444	End	9386
GI	13842_1.R1084	Score	1175
Exons	8444..8724, 8841..8927, 9011..9121, 9208..9386		
GI Descrip.	'133872/sp|P29344|RR1_SPIOL 5.0e-58 30S RIBOSOMAL PROTEIN S1, CHLOROPLAST PRECURSOR (CS1) >gi_282838_pir__S26494 ribosomal protein S1, chloroplast - spinach >gi_322404_pir__A44121 small subunit ribosomal protein CS1, CS-S2 - spinach >gi_18060_emb_CAA46927_ (X66135) ribosomal protein S1 [Spinacia oleracea] >gi_170143 (M82923) chloroplast ribosomal protein S1		

[Spinacia oleracea]'

Seq. No.	2524	Seq. ID	OJ990423_05.9C10.C15
Gene No.	5236	Strand	-
Start	6427	End	12599
Name	OJ990423_05.9C10.C15.o1.np	Method	AAT/NAP
Start	8628	End	12590
GI	133872	Score	1222
Exons	8628..8724, 8841..8927, 9011..9121, 9208..9489, 9708..9788, 10360..10635, 12316..12590		
GI Descrip.	30S RIBOSOMAL PROTEIN S1, CHLOROPLAST PRECURSOR (CS1) gi|282838|pir||S26494 ribosomal protein S1, chloroplast - spinach gi|322404|pir||A44121 small subunit ribosomal protein CS1, CS-S2 - spinach gi|18060|emb|CAA46927| (X66135) ribosomal protein S1 [Spinacia oleracea] gi|170143 (M82923) chloroplast ribosomal protein S1 [Spinacia oleracea]		

Seq. No.	2524	Seq. ID	OJ990423_05.9C10.C15
Gene No.	5236	Strand	-
Start	6427	End	12599
Name	OJ990423_05.9C10.C15.o1.tc	Method	TBLASTX:Cress
Start	8659	End	12590
GI	none	Score	62
Exons	8659..8727, 8669..8725, 8841..8930, 8841..8939, 8997..9122, 9011..9124, 9011..9121, 9205..9516, 9206..9358, 9208..9453, 9291..9491, 9708..9791, 9709..9804, 9738..9800, 10355..10630, 10357..10638, 10369..10632, 12378..12464, 12558..12590		

Seq. No.	2524	Seq. ID	OJ990423_05.9C10.C15
Gene No.	5236	Strand	-
Start	6427	End	12599
Name	OJ990423_05.9C10.C15.o1.ts	Method	TBLASTX:Soybean
Start	8659	End	12464
GI	none	Score	61
Exons	8659..8727, 8669..8725, 8841..8942, 8841..8939, 8997..9122, 9010..9123, 9011..9124, 9011..9121, 9205..9516, 9206..9358, 9217..9453, 9291..9491, 9712..9783, 9738..9830, 10357..10638, 10361..10636, 12378..12464		

Seq. No.	2524	Seq. ID	OJ990423_05.9C10.C15
Gene No.	5236	Strand	-
Start	6427	End	12599
Name	OJ990423_05.9C10.C15.o1.tm	Method	TBLASTX:Maize
Start	8841	End	12599
GI	none	Score	123
Exons	8841..8930, 8841..8939, 8997..9122, 9001..9123, 9011..9121, 9205..9516, 9206..9358, 9208..9453, 9707..9790, 9708..9788, 9709..9801, 9738..9800, 10353..10634, 10355..10636, 10357..10635, 12311..12406, 12313..12468, 12381..12494, 12385..12495, 12538..12591, 12558..12599		

Seq. No.	2524	Seq. ID	OJ990423_05.9C10.C15
Gene No.	5236	Strand	-
Start	6427	End	12599
Name	OJ990423_05.9C10.C15.o2.gp	Method	AAT/GAP
Start	9732	End	12539
GI	48068_1.R1084	Score	1035

Exons	9732..9788, 10360..10635, 12316..12539		
GI Descrip.	'133872/sp|P29344|RR1_SPIOL 2.0e-43 30S RIBOSOMAL PROTEIN S1, CHLOROPLAST PRECURSOR (CS1) >gi_282838_pir__S26494 ribosomal protein S1, chloroplast - spinach >gi_322404_pir__A44121 small subunit ribosomal protein CS1, CS-S2 - spinach >gi_18060_emb_CAA46927_ (X66135) ribosomal protein S1 [Spinacia oleracea] >gi_170143 (M82923) chloroplast ribosomal protein S1 [Spinacia oleracea]'		

Seq. No.	2525	Seq. ID	OJ990423_05.9C10.C17
Gene No.	5237	Strand	+
Start	303	End	2186
Name	OJ990423_05.9C10.C17.o1.gs	Method	GENSCAN
Start	303	End	2186
GI	none	Score	.67
Exons	303..418, 482..660, 1352..1692, 1698..2186		

Seq. No.	2526	Seq. ID	OJ990423_05.9C10.C18
Gene No.	5238	Strand	-
Start	1	End	665
Name	OJ990423_05.9C10.C18.o1.np	Method	AAT/NAP
Start	1	End	665
GI	4512663	Score	467
Exons	1..665		
GI Descrip.	(AC006931) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2526	Seq. ID	OJ990423_05.9C10.C18
Gene No.	5238	Strand	-
Start	1	End	665
Name	OJ990423_05.9C10.C18.o1.tw	Method	TBLASTX:Wheat
Start	2	End	622
GI	none	Score	38
Exons	2..46, 6..47, 8..61, 51..395, 56..394, 284..529, 288..503, 464..622		

Seq. No.	2526	Seq. ID	OJ990423_05.9C10.C18
Gene No.	5238	Strand	-
Start	1	End	665
Name	OJ990423_05.9C10.C18.o1.tc	Method	TBLASTX:Cress
Start	8	End	665
GI	none	Score	110
Exons	8..664, 9..233, 20..280, 68..349, 287..358, 378..476, 455..619, 464..619, 561..665		

Seq. No.	2526	Seq. ID	OJ990423_05.9C10.C18
Gene No.	5238	Strand	-
Start	1	End	665
Name	OJ990423_05.9C10.C18.o1.ts	Method	TBLASTX:Soybean
Start	56	End	625
GI	none	Score	100
Exons	56..436, 105..362, 323..574, 330..509, 464..625		

Seq. No.	2526	Seq. ID	OJ990423_05.9C10.C18
Gene No.	5238	Strand	-
Start	1	End	665
Name	OJ990423_05.9C10.C18.o1.tm	Method	TBLASTX:Maize
Start	62	End	663

GI	none	Score	48
Exons	62..226, 68..223, 116..154, 117..152, 120..158, 121..156, 140..658, 143..658, 144..659, 535..663		
Seq. No.	2526	Seq. ID	OJ990423_05.9C10.C18
Gene No.	5238	Strand	-
Start	1	End	665
Name	OJ990423_05.9C10.C18.o1.gs	Method	GENSCAN
Start	101	End	610
GI	none	Score	.58
Exons	101..610		
Seq. No.	2527	Seq. ID	OJ990423_05.9C10.C19
Gene No.	5239	Strand	+
Start	1	End	1523
Name	OJ990423_05.9C10.C19.o1.np	Method	AAT/NAP
Start	1	End	1264
GI	5918187	Score	506
Exons	1..34, 677..915, 1076..1264		
GI Descrip.	(AJ133278) ribophorin I [Hordeum vulgare]		
Seq. No.	2527	Seq. ID	OJ990423_05.9C10.C19
Gene No.	5239	Strand	+
Start	1	End	1523
Name	OJ990423_05.9C10.C19.o1.gs	Method	GENSCAN
Start	360	End	1267
GI	none	Score	.45
Exons	360..435, 788..915, 1076..1267		
Seq. No.	2527	Seq. ID	OJ990423_05.9C10.C19
Gene No.	5239	Strand	+
Start	1	End	1523
Name	OJ990423_05.9C10.C19.o1.gp	Method	AAT/GAP
Start	673	End	1523
GI	35940_1.R1084	Score	1284
Exons	673..915, 1076..1523		
GI Descrip.	'5918187/emb|CAB56225.1| 3.0e-58 (AJ133278) ribophorin I [Hordeum vulgare]'		
Seq. No.	2527	Seq. ID	OJ990423_05.9C10.C19
Gene No.	5239	Strand	+
Start	1	End	1523
Name	OJ990423_05.9C10.C19.o1.tm	Method	TBLASTX:Maize
Start	690	End	1445
GI	none	Score	107
Exons	690..917, 690..917, 730..918, 1067..1291, 1075..1287, 1407..1445		
Seq. No.	2527	Seq. ID	OJ990423_05.9C10.C19
Gene No.	5239	Strand	+
Start	1	End	1523
Name	OJ990423_05.9C10.C19.o1.tc	Method	TBLASTX:Cress
Start	1073	End	1267
GI	none	Score	217
Exons	1073..1267, 1075..1263		
Seq. No.	2528	Seq. ID	OJ990423_05.9C10.C20
Gene No.	5240	Strand	+

Start	104	End	5424
Name	OJ990423_05.9C10.C20.o1.gs	Method	GENSCAN
Start	104	End	5367
GI	none	Score	.74
Exons	104..236, 692..789, 1121..1251, 3981..4096, 5159..5367		

Seq. No.	2528	Seq. ID	OJ990423_05.9C10.C20
Gene No.	5240	Strand	+
Start	104	End	5424
Name	OJ990423_05.9C10.C20.o1.gp	Method	AAT/GAP
Start	4206	End	5424
GI	LIB3433-034-P1-K1-D10	Score	677
Exons	4206..4359, 5159..5424		
GI Descrip.	'4959460/gb|AF126053.1|AF126053 1.0e-10 Zea mays RACB small GTP binding protein mRNA, complete cds'		

Seq. No.	2528	Seq. ID	OJ990423_05.9C10.C20
Gene No.	5241	Strand	+
Start	6382	End	6475
Name	OJ990423_05.9C10.C20.o2.gp	Method	AAT/GAP
Start	6382	End	6475
GI	LIB3477-003-P1-K1-E9	Score	114
Exons	6382..6475		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	2528	Seq. ID	OJ990423_05.9C10.C20
Gene No.	5242	Strand	-
Start	8016	End	8448
Name	OJ990423_05.9C10.C20.o2.tm	Method	TBLASTX:Maize
Start	3979	End	5406
GI	none	Score	93
Exons	3979..4098, 3981..4115, 3984..4097, 3988..4110, 4192..4275, 4193..4276, 4283..4354, 5153..5398, 5158..5403, 5164..5406		

Seq. No.	2528	Seq. ID	OJ990423_05.9C10.C20
Gene No.	5242	Strand	-
Start	8016	End	8448
Name	OJ990423_05.9C10.C20.o2.tc	Method	TBLASTX:Cress
Start	3980	End	4273
GI	none	Score	182
Exons	3980..4108, 3987..4124, 3988..4110, 4211..4273		

Seq. No.	2528	Seq. ID	OJ990423_05.9C10.C20
Gene No.	5242	Strand	-
Start	8016	End	8448
Name	OJ990423_05.9C10.C20.o2.ts	Method	TBLASTX:Soybean
Start	3985	End	4273
GI	none	Score	178
Exons	3985..4098, 3987..4115, 3988..4113, 4217..4273		

Seq. No.	2528	Seq. ID	OJ990423_05.9C10.C20
Gene No.	5242	Strand	-
Start	8016	End	8448
Name	OJ990423_05.9C10.C20.o1.tw	Method	TBLASTX:Wheat
Start	4243	End	5343

GI	none	Score	54
Exons	4243..4284, 4280..4351, 5153..5335, 5158..5337, 5164..5343		

Seq. No.	2528	Seq. ID	OJ990423_05.9C10.C20
Gene No.	5242	Strand	-
Start	8016	End	8448
Name	OJ990423_05.9C10.C20.o3.gp	Method	AAT/GAP
Start	7661	End	8448
GI	10672_1.R1084	Score	1099
Exons	7661..8081, 8166..8231, 8326..8448		
GI Descrip.	'82264/pir||S20015 1.0e-132 ubiquinol--cytochrome-c reductase (EC 1.10.2.2) cytochrome c1 precursor (clone pC(1)8I) - potato (fragment) >gi_498789_emb_CAA56109_ (X79597) cytochrome c1 [Solanum tuberosum]'		

Seq. No.	2528	Seq. ID	OJ990423_05.9C10.C20
Gene No.	5242	Strand	-
Start	8016	End	8448
Name	OJ990423_05.9C10.C20.o1.tm	Method	TBLASTX:Maize
Start	7813	End	8446
GI	none	Score	115
Exons	7813..7854, 7871..8038, 7872..7886, 7874..8038, 7927..8040, 7966..8040, 8037..8081, 8037..8081, 8041..8082, 8163..8234, 8167..8232, 8174..8278, 8323..8442, 8327..8446		

Seq. No.	2528	Seq. ID	OJ990423_05.9C10.C20
Gene No.	5242	Strand	-
Start	8016	End	8448
Name	OJ990423_05.9C10.C20.o1.tc	Method	TBLASTX:Cress
Start	7966	End	8444
GI	none	Score	77
Exons	7966..8040, 7970..8041, 8037..8081, 8053..8088, 8163..8234, 8163..8234, 8167..8235, 8168..8236, 8170..8238, 8323..8442, 8325..8444, 8330..8443		

Seq. No.	2528	Seq. ID	OJ990423_05.9C10.C20
Gene No.	5242	Strand	-
Start	8016	End	8448
Name	OJ990423_05.9C10.C20.o1.np	Method	AAT/NAP
Start	7969	End	8442
GI	117765	Score	382
Exons	7969..8081, 8166..8231, 8326..8442		
GI Descrip.	CYTOCHROME C1, HEME PROTEIN PRECURSOR (CLONE PC13III) gi|21439|emb|CAA44055| (X62124) cytochrome c1 [Solanum tuberosum]		

Seq. No.	2528	Seq. ID	OJ990423_05.9C10.C20
Gene No.	5242	Strand	-
Start	8016	End	8448
Name	OJ990423_05.9C10.C20.o2.gs	Method	GENSCAN
Start	8016	End	8442
GI	none	Score	.8
Exons	8016..8081, 8166..8231, 8326..8442		

Seq. No.	2528	Seq. ID	OJ990423_05.9C10.C20
Gene No.	5242	Strand	-
Start	8016	End	8448

Name	OJ990423_05.9C10.C20.o1.ts	Method	TBLASTX:Soybean
Start	8037	End	8439
GI	none	Score	78
Exons	8037..8081, 8163..8234, 8167..8232, 8168..8278, 8323..8439, 8333..8437		

Seq. No.	2529	Seq. ID	OJ990423_05.9C10.C21
Gene No.	5243	Strand	-
Start	1	End	2850
Name	OJ990423_05.9C10.C21.o1.gp	Method	AAT/GAP
Start	1	End	2850
GI	10672_1.R1084	Score	866
Exons	1..97, 367..569, 1069..1136, 2754..2850		
GI Descrip.	'82264/pir||S20015 1.0e-132 ubiquinol--cytochrome-c reductase (EC 1.10.2.2) cytochrome c1 precursor (clone pC(1)8I) - potato (fragment) >gi_498789_emb_CAA56109_ (X79597) cytochrome c1 [Solanum tuberosum]'		

Seq. No.	2529	Seq. ID	OJ990423_05.9C10.C21
Gene No.	5243	Strand	-
Start	1	End	2850
Name	OJ990423_05.9C10.C21.o1.np	Method	AAT/NAP
Start	1	End	1844
GI	82263	Score	315
Exons	1..97, 367..536, 1824..1844		
GI Descrip.	ubiquinol--cytochrome-c reductase (EC 1.10.2.2) cytochrome c1 precursor (clone pC(1)3II) - potato		

Seq. No.	2529	Seq. ID	OJ990423_05.9C10.C21
Gene No.	5244	Strand	-
Start	3544	End	4632
Name	OJ990423_05.9C10.C21.o1.tm	Method	TBLASTX:Maize
Start	1	End	1160
GI	none	Score	139
Exons	1..99, 2..97, 335..445, 361..564, 366..602, 367..570, 497..607, 1069..1134, 1085..1141, 1089..1160		

Seq. No.	2529	Seq. ID	OJ990423_05.9C10.C21
Gene No.	5244	Strand	-
Start	3544	End	4632
Name	OJ990423_05.9C10.C21.o2.np	Method	AAT/NAP
Start	3544	End	4632
GI	4417306	Score	169
Exons	3544..4104, 4608..4632		
GI Descrip.	(AC006446) putative Athila retroelement ORF1 protein [Arabidopsis thaliana]		

Seq. No.	2529	Seq. ID	OJ990423_05.9C10.C21
Gene No.	5244	Strand	-
Start	3544	End	4632
Name	OJ990423_05.9C10.C21.o1.tw	Method	TBLASTX:Wheat
Start	3616	End	4018
GI	none	Score	94
Exons	3616..3711, 3708..3779, 3785..3886, 3902..4018		

Seq. No.	2530	Seq. ID	OJ990423_05.9C10.C22
Gene No.	5245	Strand	+

Start	823	End	3168
Name	OJ990423_05.9C10.C22.o1.gs	Method	GENSCAN
Start	823	End	3168
GI	none	Score	.92
Exons	823..992, 1521..1628, 2958..3168		

Seq. No.	2530	Seq. ID	OJ990423_05.9C10.C22
Gene No.	5246	Strand	+
Start	5108	End	9891
Name	OJ990423_05.9C10.C22.o2.np	Method	AAT/NAP
Start	5108	End	9891
GI	5295955	Score	86
Exons	5108..5301, 5801..5935, 7024..7463, 9844..9891		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	2530	Seq. ID	OJ990423_05.9C10.C22
Gene No.	5246	Strand	+
Start	5108	End	9891
Name	OJ990423_05.9C10.C22.o1.gp	Method	AAT/GAP
Start	5195	End	5478
GI	none	Score	375
Exons	5195..5378, 5436..5478		

Seq. No.	2530	Seq. ID	OJ990423_05.9C10.C22
Gene No.	5247	Strand	+
Start	10587	End	12582
Name	OJ990423_05.9C10.C22.o3.np	Method	AAT/NAP
Start	10584	End	12582
GI	1666236	Score	234
Exons	10584..11088, 12564..12582		
GI Descrip.	(U76261) unknown [Hordeum vulgare]		

Seq. No.	2530	Seq. ID	OJ990423_05.9C10.C22
Gene No.	5247	Strand	+
Start	10587	End	12582
Name	OJ990423_05.9C10.C22.o3.gs	Method	GENSCAN
Start	10587	End	11072
GI	none	Score	.56
Exons	10587..11072		

Seq. No.	2530	Seq. ID	OJ990423_05.9C10.C22
Gene No.	5247	Strand	+
Start	10587	End	12582
Name	OJ990423_05.9C10.C22.o2.gp	Method	AAT/GAP
Start	11928	End	12034
GI	uC-osflcyp088b12b1	Score	144
Exons	11928..12034		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	2530	Seq. ID	OJ990423_05.9C10.C22
Gene No.	5248	Strand	-
Start	1	End	1960
Name	OJ990423_05.9C10.C22.o1.np	Method	AAT/NAP
Start	1	End	1960
GI	2244963	Score	56

Exons	1..73, 1827..1960		
GI Descrip.	(Z97340) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	2530	Seq. ID	OJ990423_05.9C10.C22
Gene No.	5249	Strand	-
Start	4854	End	8282
Name	OJ990423_05.9C10.C22.o2.gs	Method	GENSCAN
Start	4854	End	8282
GI	none	Score	.52
Exons	4854..5027, 5120..5808, 7032..7134, 7165..7440, 8016..8282		
Seq. No.	2530	Seq. ID	OJ990423_05.9C10.C22
Gene No.	5250	Strand	-
Start	13135	End	13545
Name	OJ990423_05.9C10.C22.o1.tw	Method	TBLASTX:Wheat
Start	10752	End	11086
GI	none	Score	105
Exons	10752..10868, 10884..10958, 10967..11086		
Seq. No.	2530	Seq. ID	OJ990423_05.9C10.C22
Gene No.	5250	Strand	-
Start	13135	End	13545
Name	OJ990423_05.9C10.C22.o4.np	Method	AAT/NAP
Start	12580	End	13545
GI	5295955	Score	169
Exons	12580..13174, 13512..13545		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		
Seq. No.	2530	Seq. ID	OJ990423_05.9C10.C22
Gene No.	5250	Strand	-
Start	13135	End	13545
Name	OJ990423_05.9C10.C22.o4.gs	Method	GENSCAN
Start	13135	End	13333
GI	none	Score	.63
Exons	13135..13333		
Seq. No.	2531	Seq. ID	OJ990423_05.9C10.C23
Gene No.	5251	Strand	+
Start	818	End	1553
Name	OJ990423_05.9C10.C23.o1.gs	Method	GENSCAN
Start	818	End	1553
GI	none	Score	.43
Exons	818..897, 1397..1553		
Seq. No.	2531	Seq. ID	OJ990423_05.9C10.C23
Gene No.	5252	Strand	-
Start	696	End	5060
Name	OJ990423_05.9C10.C23.o1.np	Method	AAT/NAP
Start	696	End	5060
GI	4680183	Score	180
Exons	696..787, 1394..1481, 5038..5060		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	2531	Seq. ID	OJ990423_05.9C10.C23
Gene No.	5252	Strand	-
Start	696	End	5060

Name	OJ990423_05.9C10.C23.o2.gs	Method	GENSCAN
Start	2782	End	4886
GI	none	Score	.84
Exons	2782..2870, 3302..3495, 3845..4192, 4265..4446, 4720..4886		

Seq. No.	2532	Seq. ID	OJ990423_05.9C10.C24
Gene No.	5253	Strand	+
Start	1401	End	6371
Name	OJ990423_05.9C10.C24.o1.gs	Method	GENSCAN
Start	1401	End	5438
GI	none	Score	.48
Exons	1401..1658, 1717..2388, 3196..3262, 3518..3859, 4498..4743, 4852..5064, 5422..5438		

Seq. No.	2532	Seq. ID	OJ990423_05.9C10.C24
Gene No.	5253	Strand	+
Start	1401	End	6371
Name	OJ990423_05.9C10.C24.o3.tm	Method	TBLASTX:Maize
Start	1845	End	2130
GI	none	Score	45
Exons	1845..1880, 1851..1880, 1869..1892, 1932..2045, 1937..2041, 2035..2130, 2044..2130		

Seq. No.	2532	Seq. ID	OJ990423_05.9C10.C24
Gene No.	5253	Strand	+
Start	1401	End	6371
Name	OJ990423_05.9C10.C24.o2.tm	Method	TBLASTX:Maize
Start	4082	End	4371
GI	none	Score	234
Exons	4082..4366, 4096..4371		

Seq. No.	2532	Seq. ID	OJ990423_05.9C10.C24
Gene No.	5253	Strand	+
Start	1401	End	6371
Name	OJ990423_05.9C10.C24.o1.np	Method	AAT/NAP
Start	4127	End	6371
GI	2213632	Score	584
Exons	4127..4888, 6284..6371		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	2532	Seq. ID	OJ990423_05.9C10.C24
Gene No.	5253	Strand	+
Start	1401	End	6371
Name	OJ990423_05.9C10.C24.o1.tw	Method	TBLASTX:Wheat
Start	4239	End	4649
GI	none	Score	56
Exons	4239..4403, 4241..4405, 4252..4404, 4319..4423, 4412..4486, 4429..4485, 4478..4648, 4482..4649		

Seq. No.	2532	Seq. ID	OJ990423_05.9C10.C24
Gene No.	5253	Strand	+
Start	1401	End	6371
Name	OJ990423_05.9C10.C24.o1.tm	Method	TBLASTX:Maize
Start	4373	End	4850
GI	none	Score	37
Exons	4373..4408, 4412..4486, 4426..4485, 4478..4669, 4482..4745, 4560..4742, 4743..4805, 4812..4850, 4812..4847		

Seq. No.	2533	Seq. ID	OJ990423_05.9C10.C25
Gene No.	5254	Strand	-
Start	1	End	4759
Name	OJ990423_05.9C10.C25.o1.np	Method	AAT/NAP
Start	1	End	4759
GI	5262163	Score	1519
Exons	1..57, 490..586, 651..848, 945..1064, 1421..2005, 2131..2499, 2826..2987, 3292..3511, 3593..4139, 4653..4759		
GI Descrip.	(AL080253) putative protein [Arabidopsis thaliana]		

Seq. No.	2533	Seq. ID	OJ990423_05.9C10.C25
Gene No.	5254	Strand	-
Start	1	End	4759
Name	OJ990423_05.9C10.C25.o1.gs	Method	GENSCAN
Start	355	End	3863
GI	none	Score	.86
Exons	355..552, 651..848, 945..1048, 1141..2005, 2131..2499, 2826..2987, 3597..3863		

Seq. No.	2533	Seq. ID	OJ990423_05.9C10.C25
Gene No.	5254	Strand	-
Start	1	End	4759
Name	OJ990423_05.9C10.C25.o1.gp	Method	AAT/GAP
Start	512	End	1234
GI	LIB3434-041-P1-K1-C11	Score	781
Exons	512..552, 651..848, 945..1048, 1141..1234		
GI Descrip.	'4926825/gb|AAD32935.1|AC004135_10 2.0e-35 (AC004135) T17H7.10 [Arabidopsis thaliana]'		

Seq. No.	2533	Seq. ID	OJ990423_05.9C10.C25
Gene No.	5254	Strand	-
Start	1	End	4759
Name	OJ990423_05.9C10.C25.o3.tm	Method	TBLASTX:Maize
Start	666	End	1061
GI	none	Score	91
Exons	666..848, 673..849, 942..1061, 955..1053		

Seq. No.	2533	Seq. ID	OJ990423_05.9C10.C25
Gene No.	5254	Strand	-
Start	1	End	4759
Name	OJ990423_05.9C10.C25.o1.tm	Method	TBLASTX:Maize
Start	1784	End	2425
GI	none	Score	99
Exons	1784..1837, 1835..1909, 1836..1910, 1897..2007, 1911..2006, 1913..2011, 2120..2425, 2121..2423, 2131..2424		

Seq. No.	2533	Seq. ID	OJ990423_05.9C10.C25
Gene No.	5254	Strand	-
Start	1	End	4759
Name	OJ990423_05.9C10.C25.o1.ts	Method	TBLASTX:Soybean
Start	2131	End	2380
GI	none	Score	44
Exons	2131..2181, 2132..2179, 2254..2379, 2255..2380		

Seq. No.	2533	Seq. ID	OJ990423_05.9C10.C25
Gene No.	5254	Strand	-

Start	1	End	4759
Name	OJ990423_05.9C10.C25.o1.tw	Method	TBLASTX:Wheat
Start	2240	End	2514
GI	none	Score	119
Exons	2240..2437, 2245..2514, 2302..2451		

Seq. No.	2533	Seq. ID	OJ990423_05.9C10.C25
Gene No.	5254	Strand	-
Start	1	End	4759
Name	OJ990423_05.9C10.C25.o2.tm	Method	TBLASTX:Maize
Start	2428	End	3663
GI	none	Score	108
Exons	2428..2499, 2820..2990, 2826..2987, 2840..3004, 2866..3012, 3293..3427, 3295..3417, 3597..3662, 3598..3663		

Seq. No.	2534	Seq. ID	OJ990423_05.9C10.C26
Gene No.	5255	Strand	+
Start	9040	End	9376
Name	OJ990423_05.9C10.C26.o2.gs	Method	GENSCAN
Start	9040	End	9376
GI	none	Score	.55
Exons	9040..9093, 9182..9259, 9365..9376		

Seq. No.	2534	Seq. ID	OJ990423_05.9C10.C26
Gene No.	5256	Strand	-
Start	6945	End	13094
Name	OJ990423_05.9C10.C26.o1.np	Method	AAT/NAP
Start	6945	End	12018
GI	5139348	Score	257
Exons	6945..6970, 8972..9019, 9086..9225, 9311..9355, 9570..9705, 10256..10328, 10465..10567, 11971..12018		
GI Descrip.	(AJ007046) [acyl-carrier protein] S-malonyltransferase [Brassica napus]		

Seq. No.	2534	Seq. ID	OJ990423_05.9C10.C26
Gene No.	5256	Strand	-
Start	6945	End	13094
Name	OJ990423_05.9C10.C26.o2.np	Method	AAT/NAP
Start	10083	End	13094
GI	6721512	Score	62
Exons	10083..10116, 11382..11488, 13074..13094		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	2534	Seq. ID	OJ990423_05.9C10.C26
Gene No.	5256	Strand	-
Start	6945	End	13094
Name	OJ990423_05.9C10.C26.o3.gs	Method	GENSCAN
Start	10487	End	11447
GI	none	Score	.71
Exons	10487..10555, 10963..10982, 11005..11083, 11256..11447		

Seq. No.	2535	Seq. ID	OJ990423_05.9C10.C27
Gene No.	5257	Strand	+
Start	597	End	670
Name	OJ990423_05.9C10.C27.o1.gp	Method	AAT/GAP
Start	597	End	670
GI	286550	Score	106

Exons	597..670		
GI Descrip.	5734616/dbj|AP000391.1|AP000391 8.0e-61 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01		

Seq. No.	2536	Seq. ID	OJ990423_05.9C10.C28
Gene No.	5258	Strand	+
Start	111	End	506
Name	OJ990423_05.9C10.C28.o1.gs	Method	GENSCAN
Start	111	End	506
GI	none	Score	.96
Exons	111..506		

Seq. No.	2537	Seq. ID	OJ990423_05.9C10.C30
Gene No.	5259	Strand	-
Start	1093	End	1295
Name	OJ990423_05.9C10.C30.o2.gp	Method	AAT/GAP
Start	1093	End	1295
GI	LIB3477-003-P1-K1-E9	Score	119
Exons	1093..1119, 1230..1295		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	2538	Seq. ID	OJ990423_05.9C10.C31
Gene No.	5260	Strand	-
Start	1	End	361
Name	OJ990423_05.9C10.C31.o1.np	Method	AAT/NAP
Start	1	End	344
GI	445605	Score	252
Exons	1..83, 202..344		
GI Descrip.	heat shock protein hsp70 [Pisum sativum]		

Seq. No.	2538	Seq. ID	OJ990423_05.9C10.C31
Gene No.	5260	Strand	-
Start	1	End	361
Name	OJ990423_05.9C10.C31.o1.tm	Method	TBLASTX:Maize
Start	3	End	361
GI	none	Score	107
Exons	3..86, 11..91, 183..347, 184..345, 209..361, 249..347		

Seq. No.	2538	Seq. ID	OJ990423_05.9C10.C31
Gene No.	5260	Strand	-
Start	1	End	361
Name	OJ990423_05.9C10.C31.o1.tc	Method	TBLASTX:Cress
Start	11	End	341
GI	none	Score	62
Exons	11..85, 24..86, 183..341		

Seq. No.	2538	Seq. ID	OJ990423_05.9C10.C31
Gene No.	5260	Strand	-
Start	1	End	361
Name	OJ990423_05.9C10.C31.o1.ts	Method	TBLASTX:Soybean
Start	11	End	341
GI	none	Score	56
Exons	11..85, 24..86, 183..341, 184..315		

Seq. No.	2538	Seq. ID	OJ990423_05.9C10.C31

Gene No.	5260	Strand	-
Start	1	End	361
Name	OJ990423_05.9C10.C31.o1.tw	Method	TBLASTX:Wheat
Start	11	End	341
GI	none	Score	58
Exons	11..85, 183..341, 184..315		

Seq. No.	2538	Seq. ID	OJ990423_05.9C10.C31
Gene No.	5260	Strand	-
Start	1	End	361
Name	OJ990423_05.9C10.C31.o1.gp	Method	AAT/GAP
Start	12	End	353
GI	uC-osroM202001a09b1	Score	367
Exons	12..83, 202..353		
GI Descrip.	'399942/sp|Q02028|HS7S_PEA 4.0e-48 CHLOROPLAST STROMA 70 KD HEAT SHOCK-RELATED PROTEIN PRECURSOR >gi_421881_pir__S32818 heat shock protein, 70K, chloroplast - garden pea >gi_169023 (L03299) 70 kDa heat shock protein [Pisum sativum] >gi_871515_emb_CAA49147_ (X69213) Psst70 (stress 70 protein) [Pisum sativum]'		

Seq. No.	2538	Seq. ID	OJ990423_05.9C10.C31
Gene No.	5260	Strand	-
Start	1	End	361
Name	OJ990423_05.9C10.C31.o1.gs	Method	GENSCAN
Start	19	End	344
GI	none	Score	.69
Exons	19..83, 202..344		

Seq. No.	2539	Seq. ID	OJ990423_05.9C10.C32
Gene No.	5261	Strand	-
Start	1	End	2267
Name	OJ990423_05.9C10.C32.o1.gp	Method	AAT/GAP
Start	1	End	885
GI	uC-osroM202001a09b1	Score	482
Exons	1..51, 682..885		
GI Descrip.	'399942/sp|Q02028|HS7S_PEA 4.0e-48 CHLOROPLAST STROMA 70 KD HEAT SHOCK-RELATED PROTEIN PRECURSOR >gi_421881_pir__S32818 heat shock protein, 70K, chloroplast - garden pea >gi_169023 (L03299) 70 kDa heat shock protein [Pisum sativum] >gi_871515_emb_CAA49147_ (X69213) Psst70 (stress 70 protein) [Pisum sativum]'		

Seq. No.	2539	Seq. ID	OJ990423_05.9C10.C32
Gene No.	5261	Strand	-
Start	1	End	2267
Name	OJ990423_05.9C10.C32.o1.np	Method	AAT/NAP
Start	1	End	2267
GI	399942	Score	970
Exons	1..51, 682..934, 1705..2267		
GI Descrip.	CHLOROPLAST STROMA 70 KD HEAT SHOCK-RELATED PROTEIN PRECURSOR gi|421881|pir||S32818 heat shock protein, 70K, chloroplast - garden pea gi|169023 (L03299) 70 kDa heat shock protein [Pisum sativum] gi|871515|emb|CAA49147| (X69213) Psst70 (stress 70 protein) [Pisum sativum]		

Seq. No.	2539	Seq. ID	OJ990423_05.9C10.C32

Gene No.	5261	Strand	-
Start	1	End	2267
Name	OJ990423_05.9C10.C32.o1.gs	Method	GENSCAN
Start	650	End	2202
GI	none	Score	.88
Exons	650..934, 1705..2202		

Seq. No.	2539	Seq. ID	OJ990423_05.9C10.C32
Gene No.	5261	Strand	-
Start	1	End	2267
Name	OJ990423_05.9C10.C32.o2.gp	Method	AAT/GAP
Start	1741	End	2069
GI	5005162	Score	649
Exons	1741..2069		
GI Descrip.	399942/sp|Q02028|HS7S_PEA 4.0e-48 CHLOROPLAST STROMA 70 KD HEAT SHOCK-RELATED PROTEIN PRECURSOR >gi_421881_pir__S32818 heat shock protein, 70K, chloroplast - garden pea >gi_169023 (L03299) 70 kDa heat shock protein [Pisum sativum] >gi_871515_emb_CAA49147_ (X69213) Psst70 (stress 70 protein) [Pisum sativum]		

Seq. No.	2539	Seq. ID	OJ990423_05.9C10.C32
Gene No.	5262	Strand	-
Start	3407	End	4576
Name	OJ990423_05.9C10.C32.o1.tm	Method	TBLASTX:Maize
Start	1	End	2164
GI	none	Score	95
Exons	1..57, 2..58, 683..937, 684..935, 895..936, 1679..2086, 1702..2073, 2126..2164		

Seq. No.	2539	Seq. ID	OJ990423_05.9C10.C32
Gene No.	5262	Strand	-
Start	3407	End	4576
Name	OJ990423_05.9C10.C32.o1.tc	Method	TBLASTX:Cress
Start	2	End	2074
GI	none	Score	64
Exons	2..58, 2..58, 683..937, 684..935, 1676..2074, 1702..2073		

Seq. No.	2539	Seq. ID	OJ990423_05.9C10.C32
Gene No.	5262	Strand	-
Start	3407	End	4576
Name	OJ990423_05.9C10.C32.o1.tw	Method	TBLASTX:Wheat
Start	2	End	2110
GI	none	Score	53
Exons	2..58, 683..730, 684..716, 737..934, 738..935, 1702..1737, 1807..1920, 1916..2044, 1916..1975, 1924..2046, 2072..2110		

Seq. No.	2539	Seq. ID	OJ990423_05.9C10.C32
Gene No.	5262	Strand	-
Start	3407	End	4576
Name	OJ990423_05.9C10.C32.o1.ts	Method	TBLASTX:Soybean
Start	2	End	2050
GI	none	Score	63
Exons	2..58, 683..745, 687..725, 699..917, 728..934, 1822..1920, 1924..2049, 1937..2050		

Seq. No.	2539	Seq. ID	OJ990423_05.9C10.C32

Gene No.	5262	Strand	-
Start	3407	End	4576
Name	OJ990423_05.9C10.C32.o2.gs	Method	GENSCAN
Start	3407	End	4576
GI	none	Score	.78
Exons	3407..3524, 3576..3723, 4456..4576		

Seq. No.	2540	Seq. ID	OJ990423_05.9C10.C33
Gene No.	5263	Strand	+
Start	150	End	1640
Name	OJ990423_05.9C10.C33.o1.gs	Method	GENSCAN
Start	150	End	1340
GI	none	Score	.67
Exons	150..505, 595..735, 753..866, 1043..1149, 1198..1340		

Seq. No.	2540	Seq. ID	OJ990423_05.9C10.C33
Gene No.	5263	Strand	+
Start	150	End	1640
Name	OJ990423_05.9C10.C33.o1.np	Method	AAT/NAP
Start	302	End	1640
GI	4102839	Score	38
Exons	302..452, 1435..1503, 1540..1640		
GI Descrip.	(AF016713) LeOPT1 [Lycopersicon esculentum]		

Seq. No.	2540	Seq. ID	OJ990423_05.9C10.C33
Gene No.	5263	Strand	+
Start	150	End	1640
Name	OJ990423_05.9C10.C33.o1.gp	Method	AAT/GAP
Start	876	End	985
GI	7430_1.R1084	Score	193
Exons	876..985		
GI Descrip.	'399015/sp|P31691|ADT_ORYSA 1.0e-145 ADP,ATP CARRIER PROTEIN PRECURSOR (ADP/ATP TRANSLOCASE) (ADENINE NUCLEOTIDE TRANSLOCATOR) (ANT) >gi_218145_dbj_BAA02161_ (D12637) ATP/ADP translocator [Oryza sativa]'		

Seq. No.	2541	Seq. ID	OJ990423_05.9C10.C34
Gene No.	5264	Strand	+
Start	246	End	3263
Name	OJ990423_05.9C10.C34.o1.gp	Method	AAT/GAP
Start	246	End	1935
GI	7430_1.R1084	Score	2733
Exons	246..734, 807..1178, 1387..1935		
GI Descrip.	'399015/sp|P31691|ADT_ORYSA 1.0e-145 ADP,ATP CARRIER PROTEIN PRECURSOR (ADP/ATP TRANSLOCASE) (ADENINE NUCLEOTIDE TRANSLOCATOR) (ANT) >gi_218145_dbj_BAA02161_ (D12637) ATP/ADP translocator [Oryza sativa]'		

Seq. No.	2541	Seq. ID	OJ990423_05.9C10.C34
Gene No.	5264	Strand	+
Start	246	End	3263
Name	OJ990423_05.9C10.C34.o1.tm	Method	TBLASTX:Maize
Start	248	End	1688
GI	none	Score	624
Exons	248..730, 249..743, 432..752, 586..753, 805..879, 805..1179, 807..1178, 992..1183, 1343..1573, 1383..1574, 1384..1665, 1413..1664, 1640..1678, 1641..1688		

Seq. No.	2541	Seq. ID	OJ990423_05.9C10.C34
Gene No.	5264	Strand	+
Start	246	End	3263
Name	OJ990423_05.9C10.C34.o1.gs	Method	GENSCAN
Start	261	End	3263
GI	none	Score	.75
Exons	261..734, 807..1178, 1387..1654, 2935..3263		

Seq. No.	2541	Seq. ID	OJ990423_05.9C10.C34
Gene No.	5264	Strand	+
Start	246	End	3263
Name	OJ990423_05.9C10.C34.o1.ts	Method	TBLASTX:Soybean
Start	261	End	1665
GI	none	Score	64
Exons	261..338, 381..743, 428..730, 447..749, 586..750, 798..887, 799..879, 803..1144, 807..1184, 930..1184, 985..1185, 1383..1571, 1384..1665, 1384..1524, 1385..1570, 1413..1664		

Seq. No.	2541	Seq. ID	OJ990423_05.9C10.C34
Gene No.	5264	Strand	+
Start	246	End	3263
Name	OJ990423_05.9C10.C34.o1.np	Method	AAT/NAP
Start	264	End	1680
GI	2842480	Score	1423
Exons	264..734, 807..1178, 1387..1680		
GI Descrip.	(AL021749) ADP, ATP carrier-like protein [Arabidopsis thaliana]		

Seq. No.	2541	Seq. ID	OJ990423_05.9C10.C34
Gene No.	5264	Strand	+
Start	246	End	3263
Name	OJ990423_05.9C10.C34.o1.tc	Method	TBLASTX:Cress
Start	443	End	1665
GI	none	Score	421
Exons	443..736, 444..737, 763..879, 799..999, 804..980, 1001..1144, 1008..1181, 1008..1184, 1009..1185, 1381..1665, 1384..1524, 1413..1664		

Seq. No.	2541	Seq. ID	OJ990423_05.9C10.C34
Gene No.	5264	Strand	+
Start	246	End	3263
Name	OJ990423_05.9C10.C34.o2.tw	Method	TBLASTX:Wheat
Start	446	End	672
GI	none	Score	134
Exons	446..670, 471..671, 473..670, 474..671, 586..672		

Seq. No.	2541	Seq. ID	OJ990423_05.9C10.C34
Gene No.	5264	Strand	+
Start	246	End	3263
Name	OJ990423_05.9C10.C34.o1.tw	Method	TBLASTX:Wheat
Start	690	End	1665
GI	none	Score	80
Exons	690..752, 693..743, 778..879, 802..1179, 807..1178, 1007..1180, 1384..1665, 1385..1573, 1413..1664		

Seq. No.	2541	Seq. ID	OJ990423_05.9C10.C34
Gene No.	5265	Strand	

Start	5213	End	5760
Name	OJ990423_05.9C10.C34.o2.tc	Method	TBLASTX:Cress
Start	5213	End	5760
GI	none	Score	166
Exons	5213..5527, 5227..5658, 5665..5760		

Seq. No.	2541	Seq. ID	OJ990423_05.9C10.C34
Gene No.	5265	Strand	
Start	5213	End	5760
Name	OJ990423_05.9C10.C34.o2.ts	Method	TBLASTX:Soybean
Start	5219	End	5530
GI	none	Score	155
Exons	5219..5530, 5227..5529		

Seq. No.	2542	Seq. ID	OJ990423_05.9C10.C35
Gene No.	5266	Strand	+
Start	1	End	1118
Name	OJ990423_05.9C10.C35.o1.np	Method	AAT/NAP
Start	1	End	1118
GI	6970289	Score	338
Exons	1..964, 1078..1118		
GI Descrip.	(AC021666) hypothetical protein, 5' partial [Arabidopsis thaliana]		

Seq. No.	2542	Seq. ID	OJ990423_05.9C10.C35
Gene No.	5266	Strand	+
Start	1	End	1118
Name	OJ990423_05.9C10.C35.o1.gs	Method	GENSCAN
Start	578	End	1003
GI	none	Score	.93
Exons	578..695, 843..1003		

Seq. No.	2542	Seq. ID	OJ990423_05.9C10.C35
Gene No.	5267	Strand	+
Start	3470	End	3909
Name	OJ990423_05.9C10.C35.o2.gs	Method	GENSCAN
Start	3470	End	3909
GI	none	Score	.48
Exons	3470..3523, 3883..3909		

Seq. No.	2542	Seq. ID	OJ990423_05.9C10.C35
Gene No.	5268	Strand	+
Start	4341	End	6024
Name	OJ990423_05.9C10.C35.o2.np	Method	AAT/NAP
Start	4341	End	5685
GI	6630699	Score	87
Exons	4341..4398, 5605..5685		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	2542	Seq. ID	OJ990423_05.9C10.C35
Gene No.	5268	Strand	+
Start	4341	End	6024
Name	OJ990423_05.9C10.C35.o3.gs	Method	GENSCAN
Start	4701	End	6024
GI	none	Score	.58

Exons	4701..4797, 5209..5421, 5868..6024		
Seq. No.	2542	Seq. ID	OJ990423_05.9C10.C35
Gene No.	5269	Strand	-
Start	5825	End	6882
Name	OJ990423_05.9C10.C35.o1.tw	Method	TBLASTX:Wheat
Start	241	End	625
GI	none	Score	52
Exons	241..396, 258..317, 314..397, 389..460, 403..465, 465..575, 473..574, 550..624, 554..625		
Seq. No.	2542	Seq. ID	OJ990423_05.9C10.C35
Gene No.	5269	Strand	-
Start	5825	End	6882
Name	OJ990423_05.9C10.C35.o1.tm	Method	TBLASTX:Maize
Start	465	End	823
GI	none	Score	156
Exons	465..575, 473..559, 554..637, 571..636, 631..819, 632..820, 635..823		
Seq. No.	2542	Seq. ID	OJ990423_05.9C10.C35
Gene No.	5269	Strand	-
Start	5825	End	6882
Name	OJ990423_05.9C10.C35.o3.np	Method	AAT/NAP
Start	5825	End	6882
GI	5922620	Score	171
Exons	5825..6034, 6707..6882		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	2543	Seq. ID	OJ990423_05.9C10.C36
Gene No.	5270	Strand	+
Start	1093	End	1257
Name	OJ990423_05.9C10.C36.o1.gp	Method	AAT/GAP
Start	1093	End	1257
GI	2310941	Score	301
Exons	1093..1257		
Seq. No.	2543	Seq. ID	OJ990423_05.9C10.C36
Gene No.	5271	Strand	-
Start	301	End	983
Name	OJ990423_05.9C10.C36.o1.gs	Method	GENSCAN
Start	301	End	983
GI	none	Score	.47
Exons	301..346, 457..526, 848..983		
Seq. No.	2544	Seq. ID	OJ990423_05.9C10.C38
Gene No.	5272	Strand	+
Start	1	End	262
Name	OJ990423_05.9C10.C38.o1.np	Method	AAT/NAP
Start	1	End	262
GI	1002796	Score	331
Exons	1..262		
GI Descrip.	(U33915) Cpm10 [Craterostigma plantagineum]		

Seq. No.	2544	Seq. ID	OJ990423_05.9C10.C38
Gene No.	5272	Strand	+
Start	1	End	262
Name	OJ990423_05.9C10.C38.o1.tc	Method	TBLASTX:Cress
Start	65	End	262
GI	none	Score	326
Exons	65..262, 66..260		

Seq. No.	2544	Seq. ID	OJ990423_05.9C10.C38
Gene No.	5272	Strand	+
Start	1	End	262
Name	OJ990423_05.9C10.C38.o1.tw	Method	TBLASTX:Wheat
Start	65	End	262
GI	none	Score	257
Exons	65..262, 66..257, 193..258, 197..262		

Seq. No.	2544	Seq. ID	OJ990423_05.9C10.C38
Gene No.	5272	Strand	+
Start	1	End	262
Name	OJ990423_05.9C10.C38.o1.tm	Method	TBLASTX:Maize
Start	65	End	262
GI	none	Score	295
Exons	65..91, 66..260, 66..257, 134..262		

Seq. No.	2544	Seq. ID	OJ990423_05.9C10.C38
Gene No.	5272	Strand	+
Start	1	End	262
Name	OJ990423_05.9C10.C38.o1.ts	Method	TBLASTX:Soybean
Start	65	End	262
GI	none	Score	347
Exons	65..262, 66..260		

Seq. No.	2545	Seq. ID	OJ990423_05.9C10.C39
Gene No.	5273	Strand	+
Start	574	End	629
Name	OJ990423_05.9C10.C39.o1.gp	Method	AAT/GAP
Start	574	End	629
GI	uC-osf1cyp009b12b1	Score	92
Exons	574..629		
GI Descrip.	'1708311/sp|Q08080|HS7S_SPIOL 1.0e-46 CHLOROPLAST STROMA 70 KD HEAT SHOCK-RELATED PROTEIN >gi_170094 (M99565) 80 kDa heat shock protein [Spinacia oleracea]'		

Seq. No.	2546	Seq. ID	OJ990423_05.9C10.C40
Gene No.	5274	Strand	+
Start	1	End	585
Name	OJ990423_05.9C10.C40.o1.gp	Method	AAT/GAP
Start	1	End	585
GI	10762_1.R1084	Score	1126
Exons	1..585		
GI Descrip.	'1928991 1.0e-125 (U92815) heat shock protein 70 precursor [Citrullus lanatus]'		

Seq. No.	2546	Seq. ID	OJ990423_05.9C10.C40
Gene No.	5274	Strand	+
Start	1	End	585

Name	OJ990423_05.9C10.C40.o1.np	Method	AAT/NAP
Start	1	End	383
GI	6670931	Score	448
Exons	1..383		
GI Descrip.	(AF074969) heat shock protein 70 [Triticum aestivum]		

Seq. No.	2546	Seq. ID	OJ990423_05.9C10.C40
Gene No.	5274	Strand	+
Start	1	End	585
Name	OJ990423_05.9C10.C40.o1.gs	Method	GENSCAN
Start	81	End	386
GI	none	Score	.99
Exons	81..386		

Seq. No.	2546	Seq. ID	OJ990423_05.9C10.C40
Gene No.	5275	Strand	-
Start	1491	End	2117
Name	OJ990423_05.9C10.C40.o1.tc	Method	TBLASTX:Cress
Start	1	End	164
GI	none	Score	90
Exons	1..96, 2..97, 3..164, 56..160		

Seq. No.	2546	Seq. ID	OJ990423_05.9C10.C40
Gene No.	5275	Strand	-
Start	1491	End	2117
Name	OJ990423_05.9C10.C40.o1.tm	Method	TBLASTX:Maize
Start	3	End	388
GI	none	Score	424
Exons	3..344, 4..123, 56..262, 178..351, 339..386, 353..388		

Seq. No.	2546	Seq. ID	OJ990423_05.9C10.C40
Gene No.	5275	Strand	-
Start	1491	End	2117
Name	OJ990423_05.9C10.C40.o1.tw	Method	TBLASTX:Wheat
Start	95	End	465
GI	none	Score	225
Exons	95..262, 96..263, 167..265, 171..263, 330..398, 339..401, 439..465, 441..458		

Seq. No.	2546	Seq. ID	OJ990423_05.9C10.C40
Gene No.	5275	Strand	-
Start	1491	End	2117
Name	OJ990423_05.9C10.C40.o1.ts	Method	TBLASTX:Soybean
Start	111	End	405
GI	none	Score	200
Exons	111..260, 113..259, 197..307, 339..392, 352..405, 353..400		

Seq. No.	2546	Seq. ID	OJ990423_05.9C10.C40
Gene No.	5275	Strand	-
Start	1491	End	2117
Name	OJ990423_05.9C10.C40.o2.gs	Method	GENSCAN
Start	1491	End	2117
GI	none	Score	.79
Exons	1491..1589, 1922..2117		

Seq. No.	2547	Seq. ID	OJ990423_05.9C10.C41
Gene No.	5276	Strand	+

Start	574	End	740
Name	OJ990423_05.9C10.C41.o1.gs	Method	GENSCAN
Start	574	End	740
GI	none	Score	.75
Exons	574..669, 687..740		

Seq. No.	2548	Seq. ID	OJ990423_05.9C10.C42
Gene No.	5277	Strand	+
Start	1759	End	2133
Name	OJ990423_05.9C10.C42.o1.gs	Method	GENSCAN
Start	1759	End	2133
GI	none	Score	.55
Exons	1759..2133		

Seq. No.	2549	Seq. ID	OJ990423_05.9C10.C43
Gene No.	5278	Strand	+
Start	53	End	406
Name	OJ990423_05.9C10.C43.o1.gs	Method	GENSCAN
Start	53	End	406
GI	none	Score	.47
Exons	53..202, 341..406		

Seq. No.	2549	Seq. ID	OJ990423_05.9C10.C43
Gene No.	5279	Strand	-
Start	5279	End	11709
Name	OJ990423_05.9C10.C43.o1.tm	Method	TBLASTX:Maize
Start	3677	End	4100
GI	none	Score	95
Exons	3677..3844, 3678..3788, 3788..3862, 3789..3851, 3851..4099, 3851..4099, 3879..4100		

Seq. No.	2549	Seq. ID	OJ990423_05.9C10.C43
Gene No.	5279	Strand	-
Start	5279	End	11709
Name	OJ990423_05.9C10.C43.o1.tw	Method	TBLASTX:Wheat
Start	3731	End	4048
GI	none	Score	75
Exons	3731..4006, 3734..4048, 3747..4043		

Seq. No.	2549	Seq. ID	OJ990423_05.9C10.C43
Gene No.	5279	Strand	-
Start	5279	End	11709
Name	OJ990423_05.9C10.C43.o2.tm	Method	TBLASTX:Maize
Start	5089	End	5609
GI	none	Score	124
Exons	5089..5307, 5092..5304, 5294..5392, 5307..5411, 5406..5459, 5407..5520, 5408..5458, 5479..5595, 5509..5607, 5511..5609		

Seq. No.	2549	Seq. ID	OJ990423_05.9C10.C43
Gene No.	5279	Strand	-
Start	5279	End	11709
Name	OJ990423_05.9C10.C43.o3.gs	Method	GENSCAN
Start	5279	End	11709
GI	none	Score	.58
Exons	5279..5437, 5707..5841, 9041..9125, 9130..9201, 11651..11709		

Seq. No.	2550	Seq. ID	OJ990423_05.9C10.C44

Gene No.	5280	Strand	+
Start	462	End	1502
Name	OJ990423_05.9C10.C44.o1.gs	Method	GENSCAN
Start	462	End	1022
GI	none	Score	.71
Exons	462..1022		

Seq. No.	2550	Seq. ID	OJ990423_05.9C10.C44
Gene No.	5280	Strand	+
Start	462	End	1502
Name	OJ990423_05.9C10.C44.o1.np	Method	AAT/NAP
Start	462	End	1502
GI	4680203	Score	481
Exons	462..1502		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	2550	Seq. ID	OJ990423_05.9C10.C44
Gene No.	5280	Strand	+
Start	462	End	1502
Name	OJ990423_05.9C10.C44.o1.tw	Method	TBLASTX:Wheat
Start	816	End	1333
GI	none	Score	127
Exons	816..1106, 914..937, 1040..1114, 1124..1213, 1262..1333		

Seq. No.	2550	Seq. ID	OJ990423_05.9C10.C44
Gene No.	5280	Strand	+
Start	462	End	1502
Name	OJ990423_05.9C10.C44.o1.ts	Method	TBLASTX:Soybean
Start	914	End	1218
GI	none	Score	136
Exons	914..937, 939..1106, 941..1105, 1105..1206, 1106..1213, 1108..1218		

Seq. No.	2551	Seq. ID	OJ990423_05.9C10.C45
Gene No.	5281	Strand	+
Start	174	End	226
Name	OJ990423_05.9C10.C45.o1.gs	Method	GENSCAN
Start	174	End	226
GI	none	Score	.89
Exons	174..226		

Seq. No.	2552	Seq. ID	OJ990423_05.9C10.C46
Gene No.	5282	Strand	-
Start	43	End	128
Name	OJ990423_05.9C10.C46.o1.gp	Method	AAT/GAP
Start	43	End	128
GI	uC-osrocyp014d02b1	Score	134
Exons	43..128		
GI Descrip.	'1002800 2.0e-33 (U33917) Cpm7 [Craterostigma plantagineum]'		

Seq. No.	2553	Seq. ID	OJ990423_05.9C10.C47
Gene No.	5283	Strand	-
Start	17	End	580
Name	OJ990423_05.9C10.C47.o1.gs	Method	GENSCAN
Start	17	End	580
GI	none	Score	.46
Exons	17..580		

Seq. No.	2554	Seq. ID	OJ990423_05.9C10.C49
Gene No.	5284	Strand	-
Start	101	End	358
Name	OJ990423_05.9C10.C49.o1.tm	Method	TBLASTX:Maize
Start	68	End	358
GI	none	Score	54
Exons	68..358, 88..153, 99..299, 110..358		

Seq. No.	2554	Seq. ID	OJ990423_05.9C10.C49
Gene No.	5284	Strand	-
Start	101	End	358
Name	OJ990423_05.9C10.C49.o1.gs	Method	GENSCAN
Start	101	End	325
GI	none	Score	.89
Exons	101..325		

Seq. No.	2555	Seq. ID	OJ990423_05.9C10.C50
Gene No.	5285	Strand	+
Start	108	End	220
Name	OJ990423_05.9C10.C50.o1.gs	Method	GENSCAN
Start	108	End	220
GI	none	Score	.7
Exons	108..220		

Seq. No.	2556	Seq. ID	OJ990423_05.9C10.C51
Gene No.	5286	Strand	-
Start	379	End	501
Name	OJ990423_05.9C10.C51.o1.gs	Method	GENSCAN
Start	379	End	501
GI	none	Score	.73
Exons	379..501		

Seq. No.	2557	Seq. ID	OJ990423_05.9C10.C53
Gene No.	5287	Strand	-
Start	535	End	587
Name	OJ990423_05.9C10.C53.o1.gs	Method	GENSCAN
Start	535	End	587
GI	none	Score	.72
Exons	535..587		

Seq. No.	2558	Seq. ID	OJ990423_05.9C10.C56
Gene No.	5288	Strand	+
Start	1	End	449
Name	OJ990423_05.9C10.C56.o1.np	Method	AAT/NAP
Start	1	End	449
GI	2586082	Score	399
Exons	1..449		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	2558	Seq. ID	OJ990423_05.9C10.C56
Gene No.	5288	Strand	+
Start	1	End	449
Name	OJ990423_05.9C10.C56.o1.tm	Method	TBLASTX:Maize
Start	20	End	337
GI	none	Score	272
Exons	20..337, 28..336		

Seq. No.	2558	Seq. ID	OJ990423_05.9C10.C56
Gene No.	5288	Strand	+
Start	1	End	449
Name	OJ990423_05.9C10.C56.o1.tw	Method	TBLASTX:Wheat
Start	34	End	448
GI	none	Score	197
Exons	34..87, 176..448, 179..301, 226..423		

Seq. No.	2559	Seq. ID	OJ990423_05.9C10.C59
Gene No.	5289	Strand	-
Start	1	End	695
Name	OJ990423_05.9C10.C59.o1.np	Method	AAT/NAP
Start	1	End	695
GI	82264	Score	159
Exons	1..59, 484..555, 641..695		
GI Descrip.	ubiquinol--cytochrome-c reductase (EC 1.10.2.2) cytochrome c1 precursor (clone pC(1)8I) - potato (fragment) gi|498789|emb|CAA56109| (X79597) cytochrome c1 [Solanum tuberosum]		

Seq. No.	2559	Seq. ID	OJ990423_05.9C10.C59
Gene No.	5289	Strand	-
Start	1	End	695
Name	OJ990423_05.9C10.C59.o1.tc	Method	TBLASTX:Cress
Start	428	End	695
GI	none	Score	98
Exons	428..556, 476..547, 478..573, 641..694, 645..695		

Seq. No.	2559	Seq. ID	OJ990423_05.9C10.C59
Gene No.	5289	Strand	-
Start	1	End	695
Name	OJ990423_05.9C10.C59.o1.tm	Method	TBLASTX:Maize
Start	481	End	695
GI	none	Score	98
Exons	481..573, 484..558, 636..695, 641..694		

Seq. No.	2559	Seq. ID	OJ990423_05.9C10.C59
Gene No.	5289	Strand	-
Start	1	End	695
Name	OJ990423_05.9C10.C59.o1.ts	Method	TBLASTX:Soybean
Start	481	End	695
GI	none	Score	82
Exons	481..573, 488..547, 641..694, 645..695		

Seq. No.	2559	Seq. ID	OJ990423_05.9C10.C59
Gene No.	5289	Strand	-
Start	1	End	695
Name	OJ990423_05.9C10.C59.o1.gp	Method	AAT/GAP
Start	484	End	695
GI	10672_1.R1084	Score	211
Exons	484..555, 641..695		
GI Descrip.	'82264/pir||S20015 1.0e-132 ubiquinol--cytochrome-c reductase (EC 1.10.2.2) cytochrome c1 precursor (clone pC(1)8I) - potato (fragment) >gi_498789_emb_CAA56109_ (X79597) cytochrome c1 [Solanum tuberosum]'		

Seq. No.	2559	Seq. ID	OJ990423_05.9C10.C59
Gene No.	5289	Strand	-
Start	1	End	695
Name	OJ990423_05.9C10.C59.o1.gs	Method	GENSCAN
Start	484	End	545
GI	none	Score	.96
Exons	484..545		

Seq. No.	2560	Seq. ID	OJ990423_05.9C10.C60
Gene No.	5290	Strand	-
Start	1	End	776
Name	OJ990423_05.9C10.C60.o1.np	Method	AAT/NAP
Start	1	End	776
GI	4378066	Score	193
Exons	1..392, 722..776		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	2560	Seq. ID	OJ990423_05.9C10.C60
Gene No.	5290	Strand	-
Start	1	End	776
Name	OJ990423_05.9C10.C60.o2.gs	Method	GENSCAN
Start	453	End	704
GI	none	Score	.99
Exons	453..704		

Seq. No.	2561	Seq. ID	OJ990423_05.9C10.C63
Gene No.	5291	Strand	+
Start	71	End	1368
Name	OJ990423_05.9C10.C63.o1.gs	Method	GENSCAN
Start	71	End	1355
GI	none	Score	.62
Exons	71..1355		

Seq. No.	2561	Seq. ID	OJ990423_05.9C10.C63
Gene No.	5291	Strand	+
Start	71	End	1368
Name	OJ990423_05.9C10.C63.o1.tc	Method	TBLASTX:Cress
Start	539	End	1366
GI	none	Score	128
Exons	539..772, 542..931, 601..825, 628..828, 725..1330, 845..1000, 854..952, 871..1017, 1081..1215, 1085..1366, 1157..1312, 1300..1359		

Seq. No.	2561	Seq. ID	OJ990423_05.9C10.C63
Gene No.	5291	Strand	+
Start	71	End	1368
Name	OJ990423_05.9C10.C63.o1.tm	Method	TBLASTX:Maize
Start	539	End	1368
GI	none	Score	106
Exons	539..724, 625..762, 626..931, 724..951, 755..1213, 1108..1362, 1109..1366, 1109..1366, 1151..1312, 1279..1368		

Seq. No.	2562	Seq. ID	OJ990423_05.9C10.C65
Gene No.	5292	Strand	-
Start	380	End	672

Name	OJ990423_05.9C10.C65.o1.gs	Method	GENSCAN
Start	380	End	661
GI	none	Score	.49
Exons	380..460, 589..661		

Seq. No.	2562	Seq. ID	OJ990423_05.9C10.C65
Gene No.	5292	Strand	-
Start	380	End	672
Name	OJ990423_05.9C10.C65.o1.gp	Method	AAT/GAP
Start	554	End	672
GI	13842_1.R1084	Score	207
Exons	554..672		
GI Descrip.	'133872/sp|P29344|RR1_SPIOL 5.0e-58 30S RIBOSOMAL PROTEIN S1, CHLOROPLAST PRECURSOR (CS1) >gi_282838_pir__S26494 ribosomal protein S1, chloroplast - spinach >gi_322404_pir__A44121 small subunit ribosomal protein CS1, CS-S2 - spinach >gi_18060_emb_CAA46927_ (X66135) ribosomal protein S1 [Spinacia oleracea] >gi_170143 (M82923) chloroplast ribosomal protein S1 [Spinacia oleracea]'		

Seq. No.	2563	Seq. ID	OJ990423_05.9C10.C66
Gene No.	5293	Strand	+
Start	64	End	631
Name	OJ990423_05.9C10.C66.o1.gs	Method	GENSCAN
Start	64	End	631
GI	none	Score	.91
Exons	64..273, 344..631		

Seq. No.	2564	Seq. ID	OJ990923_09.9C23.C1
Gene No.	5294	Strand	+
Start	157	End	864
Name	OJ990923_09.9C23.C1.o1.gs	Method	GENSCAN
Start	157	End	864
GI	none	Score	.56
Exons	157..393, 477..744, 749..864		

Seq. No.	2564	Seq. ID	OJ990923_09.9C23.C1
Gene No.	5295	Strand	+
Start	3359	End	6660
Name	OJ990923_09.9C23.C1.o2.gp	Method	AAT/GAP
Start	3298	End	3727
GI	LIB3479-006-Q6-K1-B11	Score	640
Exons	3298..3727		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	2564	Seq. ID	OJ990923_09.9C23.C1
Gene No.	5295	Strand	+
Start	3359	End	6660
Name	OJ990923_09.9C23.C1.o3.gs	Method	GENSCAN
Start	3359	End	6660
GI	none	Score	.92
Exons	3359..3499, 3667..3760, 5396..5457, 6325..6660		

Seq. No.	2564	Seq. ID	OJ990923_09.9C23.C1
Gene No.	5296	Strand	-
Start	1039	End	3508

Name	OJ990923_09.9C23.C1.o2.gs	Method	GENSCAN
Start	1039	End	2226
GI	none	Score	.94
Exons	1039..1517, 1735..1783, 2077..2226		

Seq. No.	2564	Seq. ID	OJ990923_09.9C23.C1
Gene No.	5296	Strand	-
Start	1039	End	3508
Name	OJ990923_09.9C23.C1.o1.np	Method	AAT/NAP
Start	1045	End	2232
GI	1170092	Score	612
Exons	1045..1517, 1735..1783, 2077..2232		
GI Descrip.	GLUTATHIONE S-TRANSFERASE IV (GST-IV) (GST-27) (GST CLASS PHI) gi|1076807|pir||S52037 glutathione transferase (EC 2.5.1.18) 27K chain - maize gi|529015 (U12679) glutathione S-transferase IV [Zea mays] gi|695789|emb|CAA56047| (X79515) glutathione transferase [Zea mays] gi|1094866|prf||2106424A glutathione S-transferase:ISOTYPE=IV [Zea mays]		

Seq. No.	2564	Seq. ID	OJ990923_09.9C23.C1
Gene No.	5296	Strand	-
Start	1039	End	3508
Name	OJ990923_09.9C23.C1.o1.gp	Method	AAT/GAP
Start	1080	End	2301
GI	16273_2.R1084	Score	1324
Exons	1080..1517, 1735..1783, 2077..2301		
GI Descrip.	'1170092/sp|P46420|GTH4_MAIZE 2.0e-66 GLUTATHIONE S-TRANSFERASE IV (GST-IV) (GST-27) (GST CLASS PHI) >gi_1076807_pir__S52037 glutathione transferase (EC 2.5.1.18) 27K chain - maize >gi_529015 (U12679) glutathione S-transferase IV [Zea mays] >gi_695789_emb_CAA56047_ (X79515) glutathione transferase [Zea mays] >gi_1094866_prf__2106424A glutathione S-transferase:ISOTYPE=IV [Zea mays]'		

Seq. No.	2564	Seq. ID	OJ990923_09.9C23.C1
Gene No.	5296	Strand	-
Start	1039	End	3508
Name	OJ990923_09.9C23.C1.o2.np	Method	AAT/NAP
Start	1259	End	3508
GI	6539570	Score	205
Exons	1259..1444, 3091..3164, 3323..3508		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	2564	Seq. ID	OJ990923_09.9C23.C1
Gene No.	5297	Strand	-
Start	3644	End	3721
Name	OJ990923_09.9C23.C1.o3.np	Method	AAT/NAP
Start	3644	End	3721
GI	6630699	Score	101
Exons	3644..3721		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	2564	Seq. ID	OJ990923_09.9C23.C1
Gene No.	5298	Strand	-
Start	7070	End	8361

Name	OJ990923_09.9C23.C1.o1.tm	Method	TBLASTX:Maize
Start	996	End	2226
GI	none	Score	153
Exons	996..1040, 1058..1273, 1072..1431, 1258..1296, 1366..1449, 1469..1525, 1471..1518, 1724..1792, 2077..2226, 2077..2226		

Seq. No.	2564	Seq. ID	OJ990923_09.9C23.C1
Gene No.	5298	Strand	-
Start	7070	End	8361
Name	OJ990923_09.9C23.C1.o1.tw	Method	TBLASTX:Wheat
Start	1072	End	1792
GI	none	Score	154
Exons	1072..1338, 1073..1270, 1348..1518, 1369..1512, 1478..1558, 1724..1792		

Seq. No.	2564	Seq. ID	OJ990923_09.9C23.C1
Gene No.	5298	Strand	-
Start	7070	End	8361
Name	OJ990923_09.9C23.C1.o1.tc	Method	TBLASTX:Cress
Start	1085	End	2226
GI	none	Score	93
Exons	1085..1270, 1087..1518, 1724..1789, 2077..2226		

Seq. No.	2564	Seq. ID	OJ990923_09.9C23.C1
Gene No.	5298	Strand	-
Start	7070	End	8361
Name	OJ990923_09.9C23.C1.o1.ts	Method	TBLASTX:Soybean
Start	1202	End	1789
GI	none	Score	80
Exons	1202..1270, 1204..1428, 1471..1518, 1709..1789		

Seq. No.	2564	Seq. ID	OJ990923_09.9C23.C1
Gene No.	5298	Strand	-
Start	7070	End	8361
Name	OJ990923_09.9C23.C1.o2.tw	Method	TBLASTX:Wheat
Start	2077	End	2244
GI	none	Score	197
Exons	2077..2244, 2077..2238		

Seq. No.	2564	Seq. ID	OJ990923_09.9C23.C1
Gene No.	5298	Strand	-
Start	7070	End	8361
Name	OJ990923_09.9C23.C1.o4.gs	Method	GENSCAN
Start	7070	End	8361
GI	none	Score	.54
Exons	7070..7226, 8357..8361		

Seq. No.	2565	Seq. ID	OJ990923_09.9C23.C2
Gene No.	5299	Strand	+
Start	743	End	1060
Name	OJ990923_09.9C23.C2.o1.gs	Method	GENSCAN
Start	743	End	1060
GI	none	Score	.56
Exons	743..1060		

Seq. No.	2565	Seq. ID	OJ990923_09.9C23.C2
Gene No.	5300	Strand	-

Start	1521	End	3960
Name	OJ990923_09.9C23.C2.o2.gs	Method	GENSCAN
Start	1521	End	3960
GI	none	Score	.61
Exons	1521..1532, 2695..2880, 3753..3960		

Seq. No.	2566	Seq. ID	OJ990923_09.9C23.C3
Gene No.	5301	Strand	+
Start	5696	End	7209
Name	OJ990923_09.9C23.C3.o2.gs	Method	GENSCAN
Start	5696	End	7209
GI	none	Score	.51
Exons	5696..5706, 6422..6533, 7036..7209		

Seq. No.	2566	Seq. ID	OJ990923_09.9C23.C3
Gene No.	5302	Strand	-
Start	1280	End	4121
Name	OJ990923_09.9C23.C3.o1.gs	Method	GENSCAN
Start	1280	End	4082
GI	none	Score	.96
Exons	1280..1678, 1732..1904, 2215..2388, 3303..3318, 3727..3904, 4021..4082		

Seq. No.	2566	Seq. ID	OJ990923_09.9C23.C3
Gene No.	5302	Strand	-
Start	1280	End	4121
Name	OJ990923_09.9C23.C3.o1.np	Method	AAT/NAP
Start	1286	End	4121
GI	1854443	Score	1059
Exons	1286..1904, 2215..2386, 3648..3904, 4021..4121		
GI Descrip.	(D83970) CPRD8 protein [Vigna unguiculata]		

Seq. No.	2566	Seq. ID	OJ990923_09.9C23.C3
Gene No.	5302	Strand	-
Start	1280	End	4121
Name	OJ990923_09.9C23.C3.o1.gp	Method	AAT/GAP
Start	1324	End	2358
GI	19180_1.R1084	Score	1386
Exons	1324..1904, 2215..2358		
GI Descrip.	'3882356/gb|AAC78441.1| 2.0e-77 (U92460) 12-oxophytodienoate reductase OPR2 [Arabidopsis thaliana]'		

Seq. No.	2566	Seq. ID	OJ990923_09.9C23.C3
Gene No.	5303	Strand	-
Start	9053	End	11701
Name	OJ990923_09.9C23.C3.o1.ts	Method	TBLASTX:Soybean
Start	1298	End	11582
GI	none	Score	96
Exons	1298..1552, 1307..1555, 1604..1684, 1605..1646, 1684..1905, 1688..1906, 2213..2308, 2214..2303, 2220..2312, 2315..2392, 2316..2399, 2334..2381, 3657..3713, 3712..3906, 4014..4079, 9071..9322, 9072..9203, 9369..9674, 9370..9651, 9739..9840, 9740..9814, 9859..9900, 10031..10138, 10032..10139, 10382..10528, 10383..10526, 11499..11582		

Seq. No.	2566	Seq. ID	OJ990923_09.9C23.C3
Gene No.	5303	Strand	-

Start	9053	End	11701
Name	OJ990923_09.9C23.C3.o1.tc	Method	TBLASTX:Cress
Start	1310	End	11582
GI	none	Score	117
Exons	1310..1552, 1329..1433, 1503..1547, 1604..1684, 1684..1905, 1700..1906, 2213..2302, 2214..2297, 2315..2392, 3648..3713, 3649..3714, 3712..3906, 3716..3766, 3851..3907, 4003..4068, 4014..4073, 9071..9322, 9072..9203, 9131..9256, 9369..9674, 9370..9642, 9739..9840, 9859..9900, 10019..10144, 10020..10145, 10382..10528, 10383..10526, 11529..11582		

Seq. No.	2566	Seq. ID	OJ990923_09.9C23.C3
Gene No.	5303	Strand	-
Start	9053	End	11701
Name	OJ990923_09.9C23.C3.o1.tm	Method	TBLASTX:Maize
Start	1328	End	11582
GI	none	Score	155
Exons	1328..1555, 1331..1552, 1604..1696, 1605..1649, 1684..1905, 1685..1906, 2213..2311, 2214..2312, 2315..2392, 2316..2381, 3657..3716, 3712..3906, 3716..3766, 3851..3907, 4014..4073, 4015..4068, 9068..9322, 9096..9203, 9360..9674, 9373..9651, 9739..9786, 9739..9825, 9848..9901, 9859..9900, 10031..10144, 10032..10145, 10038..10163, 10382..10528, 10383..10526, 11529..11582		

Seq. No.	2566	Seq. ID	OJ990923_09.9C23.C3
Gene No.	5303	Strand	-
Start	9053	End	11701
Name	OJ990923_09.9C23.C3.o1.tw	Method	TBLASTX:Wheat
Start	3660	End	10526
GI	none	Score	91
Exons	3660..3713, 3661..3765, 3673..3714, 3712..3906, 3848..3907, 4003..4074, 4014..4067, 10029..10145, 10031..10144, 10382..10525, 10383..10526		

Seq. No.	2566	Seq. ID	OJ990923_09.9C23.C3
Gene No.	5303	Strand	-
Start	9053	End	11701
Name	OJ990923_09.9C23.C3.o2.tm	Method	TBLASTX:Maize
Start	6267	End	6467
GI	none	Score	200
Exons	6267..6467		

Seq. No.	2566	Seq. ID	OJ990923_09.9C23.C3
Gene No.	5303	Strand	-
Start	9053	End	11701
Name	OJ990923_09.9C23.C3.o3.gs	Method	GENSCAN
Start	9053	End	11701
GI	none	Score	.89
Exons	9053..9299, 9370..9685, 9741..9881, 10021..10602, 11640..11701		

Seq. No.	2566	Seq. ID	OJ990923_09.9C23.C3
Gene No.	5303	Strand	-
Start	9053	End	11701
Name	OJ990923_09.9C23.C3.o2.np	Method	AAT/NAP
Start	9062	End	11616
GI	3882356	Score	935

Exons	9062..9667, 9741..9914, 10015..10144, 10376..10523, 11539..11616		
GI Descrip.	(U92460) 12-oxophytodienoate reductase OPR2 [Arabidopsis thaliana] gi|6143903|gb|AAF04449.1|AC010718_18 (AC010718) 12-oxophytodienoate reductase (OPR2) [Arabidopsis thaliana]		
Seq. No.	2567	Seq. ID	OJ990923_09.9C23.C4
Gene No.	5304	Strand	-
Start	582	End	3501
Name	OJ990923_09.9C23.C4.o1.gp	Method	AAT/GAP
Start	266	End	2081
GI	LIB3431-045-P1-N1-A10	Score	821
Exons	266..375, 1738..2081		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		
Seq. No.	2567	Seq. ID	OJ990923_09.9C23.C4
Gene No.	5304	Strand	-
Start	582	End	3501
Name	OJ990923_09.9C23.C4.o1.gs	Method	GENSCAN
Start	582	End	3457
GI	none	Score	.6
Exons	582..740, 1192..1269, 1336..1494, 1654..1760, 2217..2419, 2424..2471, 2535..2716, 2756..2821, 2912..3009, 3041..3161, 3254..3457		
Seq. No.	2567	Seq. ID	OJ990923_09.9C23.C4
Gene No.	5304	Strand	-
Start	582	End	3501
Name	OJ990923_09.9C23.C4.o1.np	Method	AAT/NAP
Start	2185	End	3501
GI	5441880	Score	1117
Exons	2185..2419, 2535..2666, 2912..3009, 3254..3501		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	2567	Seq. ID	OJ990923_09.9C23.C4
Gene No.	5304	Strand	-
Start	582	End	3501
Name	OJ990923_09.9C23.C4.o2.gp	Method	AAT/GAP
Start	3262	End	3501
GI	LIB3475-007-P1-K1-G8	Score	453
Exons	3262..3501		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		
Seq. No.	2568	Seq. ID	OJ990923_09.9C23.C5
Gene No.	5305	Strand	-
Start	155	End	2335
Name	OJ990923_09.9C23.C5.o1.gs	Method	GENSCAN
Start	155	End	2335
GI	none	Score	.44
Exons	155..364, 539..775, 789..817, 963..1040, 1480..1775, 1977..2335		
Seq. No.	2568	Seq. ID	OJ990923_09.9C23.C5
Gene No.	5305	Strand	-

Start	155	End	2335
Name	OJ990923_09.9C23.C5.o1.np	Method	AAT/NAP
Start	445	End	2229
GI	5441880	Score	1320
Exons	445..775, 880..1040, 1600..1915, 2174..2229		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	2569	Seq. ID	OJ990923_09.9C23.C6
Gene No.	5306	Strand	-
Start	1	End	671
Name	OJ990923_09.9C23.C6.o1.np	Method	AAT/NAP
Start	1	End	305
GI	5441880	Score	501
Exons	1..305		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	2569	Seq. ID	OJ990923_09.9C23.C6
Gene No.	5306	Strand	-
Start	1	End	671
Name	OJ990923_09.9C23.C6.o1.gs	Method	GENSCAN
Start	91	End	671
GI	none	Score	.45
Exons	91..671		

Seq. No.	2570	Seq. ID	OJ990923_09.9C23.C7
Gene No.	5307	Strand	+
Start	171	End	2921
Name	OJ990923_09.9C23.C7.o1.gs	Method	GENSCAN
Start	171	End	2921
GI	none	Score	.61
Exons	171..221, 2409..2611, 2801..2921		

Seq. No.	2570	Seq. ID	OJ990923_09.9C23.C7
Gene No.	5308	Strand	+
Start	3336	End	5032
Name	OJ990923_09.9C23.C7.o3.np	Method	AAT/NAP
Start	3336	End	5032
GI	6721512	Score	58
Exons	3336..3356, 4951..5032		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	2570	Seq. ID	OJ990923_09.9C23.C7
Gene No.	5308	Strand	+
Start	3336	End	5032
Name	OJ990923_09.9C23.C7.o1.gp	Method	AAT/GAP
Start	3901	End	3979
GI	90742_1.R1084	Score	103
Exons	3901..3979		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 4.0e-29 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	2570	Seq. ID	OJ990923_09.9C23.C7
Gene No.	5309	Strand	+

Start	5107	End	9566
Name	OJ990923_09.9C23.C7.o2.gs	Method	GENSCAN
Start	5107	End	8769
GI	none	Score	.73
Exons	5107..5191, 5363..5448, 6231..6523, 7392..7477, 8330..8769		

Seq. No.	2570	Seq. ID	OJ990923_09.9C23.C7
Gene No.	5309	Strand	+
Start	5107	End	9566
Name	OJ990923_09.9C23.C7.o4.np	Method	AAT/NAP
Start	8016	End	9566
GI	6907086	Score	1108
Exons	8016..8800, 8861..9051, 9130..9566		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	2570	Seq. ID	OJ990923_09.9C23.C7
Gene No.	5310	Strand	+
Start	13413	End	15094
Name	OJ990923_09.9C23.C7.o6.np	Method	AAT/NAP
Start	13413	End	15094
GI	6539588	Score	190
Exons	13413..13731, 15065..15094		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	2570	Seq. ID	OJ990923_09.9C23.C7
Gene No.	5311	Strand	-
Start	1122	End	4444
Name	OJ990923_09.9C23.C7.o2.np	Method	AAT/NAP
Start	1122	End	4444
GI	6721512	Score	80
Exons	1122..1149, 2509..2536, 2579..2710, 2738..2826, 4412..4444		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	2570	Seq. ID	OJ990923_09.9C23.C7
Gene No.	5312	Strand	-
Start	6130	End	6627
Name	OJ990923_09.9C23.C7.o2.gp	Method	AAT/GAP
Start	6130	End	6627
GI	38782_1.R1084	Score	809
Exons	6130..6627		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	2570	Seq. ID	OJ990923_09.9C23.C7
Gene No.	5313	Strand	-
Start	11391	End	12286
Name	OJ990923_09.9C23.C7.o3.gs	Method	GENSCAN
Start	11391	End	12286
GI	none	Score	.97
Exons	11391..11848, 11988..12036, 12137..12286		

Seq. No.	2570	Seq. ID	OJ990923_09.9C23.C7
Gene No.	5313	Strand	-
Start	11391	End	12286
Name	OJ990923_09.9C23.C7.o5.np	Method	AAT/NAP
Start	11394	End	12286
GI	4127352	Score	779

Exons	11394..11848, 11988..12036, 12137..12286		
GI Descrip.	(AJ010451) glutathione transferase [Alopecurus myosuroides]		
Seq. No.	2570	Seq. ID	OJ990923_09.9C23.C7
Gene No.	5314	Strand	-
Start	15617	End	15763
Name	OJ990923_09.9C23.C7.o2.tw	Method	TBLASTX:Wheat
Start	606	End	873
GI	none	Score	53
Exons	606..761, 670..741, 768..863, 787..873		
Seq. No.	2570	Seq. ID	OJ990923_09.9C23.C7
Gene No.	5314	Strand	-
Start	15617	End	15763
Name	OJ990923_09.9C23.C7.o2.tm	Method	TBLASTX:Maize
Start	798	End	1271
GI	none	Score	95
Exons	798..866, 900..968, 999..1271, 1087..1206		
Seq. No.	2570	Seq. ID	OJ990923_09.9C23.C7
Gene No.	5314	Strand	-
Start	15617	End	15763
Name	OJ990923_09.9C23.C7.o1.tw	Method	TBLASTX:Wheat
Start	11397	End	12187
GI	none	Score	103
Exons	11397..11486, 11397..11858, 11407..11856, 11652..11861, 11774..11863, 11989..12036, 11993..12037, 12137..12187, 12138..12182		
Seq. No.	2570	Seq. ID	OJ990923_09.9C23.C7
Gene No.	5314	Strand	-
Start	15617	End	15763
Name	OJ990923_09.9C23.C7.o1.tm	Method	TBLASTX:Maize
Start	11403	End	12277
GI	none	Score	142
Exons	11403..11684, 11404..11670, 11667..11795, 11670..11810, 11808..11849, 11989..12036, 11999..12037, 12137..12277, 12146..12262		
Seq. No.	2570	Seq. ID	OJ990923_09.9C23.C7
Gene No.	5314	Strand	-
Start	15617	End	15763
Name	OJ990923_09.9C23.C7.o1.tc	Method	TBLASTX:Cress
Start	11418	End	12042
GI	none	Score	65
Exons	11418..11684, 11461..11571, 11691..11849, 11989..12042		
Seq. No.	2570	Seq. ID	OJ990923_09.9C23.C7
Gene No.	5314	Strand	-
Start	15617	End	15763
Name	OJ990923_09.9C23.C7.o1.ts	Method	TBLASTX:Soybean
Start	11514	End	12305
GI	none	Score	94
Exons	11514..11687, 11527..11667, 11673..11774, 11787..11849, 11989..12042, 12143..12238, 12264..12305		
Seq. No.	2570	Seq. ID	OJ990923_09.9C23.C7

Gene No.	5314	Strand	-
Start	15617	End	15763
Name	OJ990923_09.9C23.C7.o5.gs	Method	GENSCAN
Start	15617	End	15763
GI	none	Score	.86
Exons	15617..15763		

Seq. No.	2571	Seq. ID	OJ990923_09.9C23.C9
Gene No.	5315	Strand	+
Start	102	End	683
Name	OJ990923_09.9C23.C9.o1.gs	Method	GENSCAN
Start	102	End	683
GI	none	Score	.66
Exons	102..287, 489..683		

Seq. No.	2572	Seq. ID	OJ990923_09.9C23.C10
Gene No.	5316	Strand	-
Start	41	End	155
Name	OJ990923_09.9C23.C10.o1.gs	Method	GENSCAN
Start	41	End	155
GI	none	Score	.87
Exons	41..155		

Seq. No.	2573	Seq. ID	OJ990923_09.9C23.C11
Gene No.	5317	Strand	-
Start	1	End	336
Name	OJ990923_09.9C23.C11.o1.np	Method	AAT/NAP
Start	1	End	336
GI	4680183	Score	371
Exons	1..336		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	2573	Seq. ID	OJ990923_09.9C23.C11
Gene No.	5317	Strand	-
Start	1	End	336
Name	OJ990923_09.9C23.C11.o1.gs	Method	GENSCAN
Start	52	End	336
GI	none	Score	.85
Exons	52..336		

Seq. No.	2574	Seq. ID	OJ990923_09.9C23.C13
Gene No.	5318	Strand	+
Start	1	End	139
Name	OJ990923_09.9C23.C13.o1.np	Method	AAT/NAP
Start	1	End	139
GI	5852178	Score	137
Exons	1..139		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	2574	Seq. ID	OJ990923_09.9C23.C13
Gene No.	5319	Strand	+
Start	45	End	161
Name	OJ990923_09.9C23.C13.o1.gs	Method	GENSCAN
Start	45	End	161
GI	none	Score	.76
Exons	45..161		

Seq. No.	2574	Seq. ID	OJ990923_09.9C23.C13
Gene No.	5320	Strand	+
Start	579	End	1102
Name	OJ990923_09.9C23.C13.o2.np	Method	AAT/NAP
Start	579	End	1102
GI	5852178	Score	254
Exons	579..875, 907..1102		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	2574	Seq. ID	OJ990923_09.9C23.C13
Gene No.	5321	Strand	-
Start	636	End	997
Name	OJ990923_09.9C23.C13.o2.gs	Method	GENSCAN
Start	636	End	997
GI	none	Score	.83
Exons	636..826, 901..997		

Seq. No.	2575	Seq. ID	OJ990923_09.9C23.C14
Gene No.	5322	Strand	+
Start	617	End	3533
Name	OJ990923_09.9C23.C14.o1.gs	Method	GENSCAN
Start	617	End	3533
GI	none	Score	.54
Exons	617..661, 870..950, 1380..1569, 1625..1712, 2440..2650, 2777..3055, 3060..3533		

Seq. No.	2575	Seq. ID	OJ990923_09.9C23.C14
Gene No.	5323	Strand	-
Start	671	End	928
Name	OJ990923_09.9C23.C14.o1.gp	Method	AAT/GAP
Start	671	End	928
GI	61605_1.R1084	Score	408
Exons	671..928		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	2575	Seq. ID	OJ990923_09.9C23.C14
Gene No.	5324	Strand	-
Start	1907	End	3069
Name	OJ990923_09.9C23.C14.o3.gp	Method	AAT/GAP
Start	1907	End	2643
GI	101153_1.R1084	Score	411
Exons	1907..2136, 2613..2643		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	2575	Seq. ID	OJ990923_09.9C23.C14
Gene No.	5324	Strand	-
Start	1907	End	3069
Name	OJ990923_09.9C23.C14.o1.np	Method	AAT/NAP
Start	2028	End	3069
GI	5852178	Score	279
Exons	2028..2125, 2627..2733, 2765..3069		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	2575	Seq. ID	OJ990923_09.9C23.C14
Gene No.	5325	Strand	-

Start	4003	End	4941
Name	OJ990923_09.9C23.C14.o2.gs	Method	GENSCAN
Start	4003	End	4941
GI	none	Score	.51
Exons	4003..4011, 4209..4333, 4782..4941		

Seq. No.	2575	Seq. ID	OJ990923_09.9C23.C14
Gene No.	5326	Strand	-
Start	5607	End	5721
Name	OJ990923_09.9C23.C14.o3.gs	Method	GENSCAN
Start	5607	End	5721
GI	none	Score	.53
Exons	5607..5721		

Seq. No.	2576	Seq. ID	OJ990923_09.9C23.C15
Gene No.	5327	Strand	-
Start	1	End	5592
Name	OJ990923_09.9C23.C15.o1.np	Method	AAT/NAP
Start	1	End	2922
GI	4127372	Score	434
Exons	1..50, 292..624, 1816..1864, 1958..2031, 2847..2922		
GI Descrip.	(AJ010454) glutathione transferase [Alopecurus myosuroides]		

Seq. No.	2576	Seq. ID	OJ990923_09.9C23.C15
Gene No.	5327	Strand	-
Start	1	End	5592
Name	OJ990923_09.9C23.C15.o1.gs	Method	GENSCAN
Start	287	End	5592
GI	none	Score	.48
Exons	287..624, 1954..2036, 2578..2687, 4892..5048, 5154..5592		

Seq. No.	2576	Seq. ID	OJ990923_09.9C23.C15
Gene No.	5327	Strand	-
Start	1	End	5592
Name	OJ990923_09.9C23.C15.o1.tw	Method	TBLASTX:Wheat
Start	311	End	2011
GI	none	Score	153
Exons	311..625, 321..629, 1818..1865, 1829..1876, 1958..2011, 1968..2006		

Seq. No.	2576	Seq. ID	OJ990923_09.9C23.C15
Gene No.	5327	Strand	-
Start	1	End	5592
Name	OJ990923_09.9C23.C15.o3.tm	Method	TBLASTX:Maize
Start	311	End	2008
GI	none	Score	45
Exons	311..442, 321..443, 438..542, 440..586, 452..565, 1818..1877, 1829..1876, 1958..2008, 1959..2003		

Seq. No.	2576	Seq. ID	OJ990923_09.9C23.C15
Gene No.	5327	Strand	-
Start	1	End	5592
Name	OJ990923_09.9C23.C15.o1.tm	Method	TBLASTX:Maize
Start	4313	End	4690
GI	none	Score	69
Exons	4313..4642, 4640..4690		

Seq. No.	2576	Seq. ID	OJ990923_09.9C23.C15
Gene No.	5327	Strand	-
Start	1	End	5592
Name	OJ990923_09.9C23.C15.o2.tw	Method	TBLASTX:Wheat
Start	4937	End	5240
GI	none	Score	74
Exons	4937..5107, 4973..5104, 5102..5218, 5109..5240		

Seq. No.	2576	Seq. ID	OJ990923_09.9C23.C15
Gene No.	5327	Strand	-
Start	1	End	5592
Name	OJ990923_09.9C23.C15.o2.tm	Method	TBLASTX:Maize
Start	4964	End	5447
GI	none	Score	103
Exons	4964..5059, 5099..5290, 5109..5291, 5297..5446, 5298..5447		

Seq. No.	2577	Seq. ID	OJ990923_09.9C23.C16
Gene No.	5328	Strand	-
Start	1	End	1022
Name	OJ990923_09.9C23.C16.o1.np	Method	AAT/NAP
Start	1	End	1022
GI	2462134	Score	352
Exons	1..1022		
GI Descrip.	(Y13368) reverse transcriptase [Beta vulgaris]		

Seq. No.	2577	Seq. ID	OJ990923_09.9C23.C16
Gene No.	5328	Strand	-
Start	1	End	1022
Name	OJ990923_09.9C23.C16.o1.gs	Method	GENSCAN
Start	133	End	542
GI	none	Score	.53
Exons	133..542		

Seq. No.	2578	Seq. ID	OJ990923_09.9C23.C18
Gene No.	5329	Strand	+
Start	6110	End	8970
Name	OJ990923_09.9C23.C18.o2.gs	Method	GENSCAN
Start	6110	End	7804
GI	none	Score	.72
Exons	6110..6191, 6970..7136, 7169..7379, 7452..7804		

Seq. No.	2578	Seq. ID	OJ990923_09.9C23.C18
Gene No.	5329	Strand	+
Start	6110	End	8970
Name	OJ990923_09.9C23.C18.o4.np	Method	AAT/NAP
Start	6171	End	8970
GI	5852179	Score	221
Exons	6171..6191, 7016..7216, 7291..7520, 8936..8970		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	2578	Seq. ID	OJ990923_09.9C23.C18
Gene No.	5330	Strand	+
Start	19102	End	22200
Name	OJ990923_09.9C23.C18.o6.np	Method	AAT/NAP
Start	19102	End	22200
GI	66615	Score	35
Exons	19102..19160, 21554..21645, 22134..22200		

GI Descrip. glutathione transferase (EC 2.5.1.18) I - maize

Seq. No.	2578	Seq. ID	OJ990923_09.9C23.C18
Gene No.	5331	Strand	-
Start	1	End	4748
Name	OJ990923_09.9C23.C18.o1.np	Method	AAT/NAP
Start	1	End	4278
GI	4680179	Score	4061
Exons	1..32, 264..2660, 2688..3663, 4190..4278		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2578	Seq. ID	OJ990923_09.9C23.C18
Gene No.	5331	Strand	-
Start	1	End	4748
Name	OJ990923_09.9C23.C18.o2.np	Method	AAT/NAP
Start	3952	End	4748
GI	4512231	Score	1266
Exons	3952..4748		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	2578	Seq. ID	OJ990923_09.9C23.C18
Gene No.	5332	Strand	-
Start	5923	End	7491
Name	OJ990923_09.9C23.C18.o3.np	Method	AAT/NAP
Start	5923	End	7491
GI	6063554	Score	169
Exons	5923..6095, 7139..7188, 7272..7491		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2578	Seq. ID	OJ990923_09.9C23.C18
Gene No.	5333	Strand	-
Start	8869	End	11038
Name	OJ990923_09.9C23.C18.o3.gs	Method	GENSCAN
Start	8869	End	11038
GI	none	Score	.78
Exons	8869..9072, 10026..10223, 10964..11038		

Seq. No.	2578	Seq. ID	OJ990923_09.9C23.C18
Gene No.	5334	Strand	-
Start	14185	End	15563
Name	OJ990923_09.9C23.C18.o4.gs	Method	GENSCAN
Start	14185	End	15563
GI	none	Score	.91
Exons	14185..14648, 15283..15331, 15414..15563		

Seq. No.	2578	Seq. ID	OJ990923_09.9C23.C18
Gene No.	5334	Strand	-
Start	14185	End	15563
Name	OJ990923_09.9C23.C18.o5.np	Method	AAT/NAP
Start	14191	End	15563
GI	4127370	Score	816
Exons	14191..14648, 15283..15331, 15414..15563		
GI Descrip.	(AJ010453) glutathione transferase [Alopecurus myosuroides]		

Seq. No. 2578 Seq. ID OJ990923_09.9C23.C18

Gene No.	5335	Strand	-
Start	23387	End	23560
Name	OJ990923_09.9C23.C18.o2.ts	Method	TBLASTX:Soybean
Start	265	End	504
GI	none	Score	153
Exons	265..504, 275..493		

Seq. No.	2578	Seq. ID	OJ990923_09.9C23.C18
Gene No.	5335	Strand	-
Start	23387	End	23560
Name	OJ990923_09.9C23.C18.o2.tc	Method	TBLASTX:Cress
Start	271	End	594
GI	none	Score	84
Exons	271..411, 287..409, 412..594		

Seq. No.	2578	Seq. ID	OJ990923_09.9C23.C18
Gene No.	5335	Strand	-
Start	23387	End	23560
Name	OJ990923_09.9C23.C18.o5.tm	Method	TBLASTX:Maize
Start	274	End	675
GI	none	Score	185
Exons	274..648, 275..649, 328..675		

Seq. No.	2578	Seq. ID	OJ990923_09.9C23.C18
Gene No.	5335	Strand	-
Start	23387	End	23560
Name	OJ990923_09.9C23.C18.o1.tw	Method	TBLASTX:Wheat
Start	291	End	864
GI	none	Score	139
Exons	291..557, 292..573, 292..864, 296..649		

Seq. No.	2578	Seq. ID	OJ990923_09.9C23.C18
Gene No.	5335	Strand	-
Start	23387	End	23560
Name	OJ990923_09.9C23.C18.o1.tm	Method	TBLASTX:Maize
Start	858	End	1211
GI	none	Score	217
Exons	858..1211, 865..1206		

Seq. No.	2578	Seq. ID	OJ990923_09.9C23.C18
Gene No.	5335	Strand	-
Start	23387	End	23560
Name	OJ990923_09.9C23.C18.o2.tw	Method	TBLASTX:Wheat
Start	865	End	1283
GI	none	Score	313
Exons	865..1281, 867..1283		

Seq. No.	2578	Seq. ID	OJ990923_09.9C23.C18
Gene No.	5335	Strand	-
Start	23387	End	23560
Name	OJ990923_09.9C23.C18.o3.ts	Method	TBLASTX:Soybean
Start	1029	End	1277
GI	none	Score	203
Exons	1029..1277		

Seq. No.	2578	Seq. ID	OJ990923_09.9C23.C18
Gene No.	5335	Strand	-

Start	23387	End	23560
Name	OJ990923_09.9C23.C18.o4.tm	Method	TBLASTX:Maize
Start	1218	End	1565
GI	none	Score	135
Exons	1218..1565, 1219..1497		

Seq. No.	2578	Seq. ID	OJ990923_09.9C23.C18
Gene No.	5335	Strand	-
Start	23387	End	23560
Name	OJ990923_09.9C23.C18.o5.tw	Method	TBLASTX:Wheat
Start	1284	End	1586
GI	none	Score	247
Exons	1284..1586, 1285..1545		

Seq. No.	2578	Seq. ID	OJ990923_09.9C23.C18
Gene No.	5335	Strand	-
Start	23387	End	23560
Name	OJ990923_09.9C23.C18.o1.ts	Method	TBLASTX:Soybean
Start	1299	End	1694
GI	none	Score	172
Exons	1299..1658, 1309..1542, 1615..1656, 1662..1694, 1662..1694		

Seq. No.	2578	Seq. ID	OJ990923_09.9C23.C18
Gene No.	5335	Strand	-
Start	23387	End	23560
Name	OJ990923_09.9C23.C18.o2.tm	Method	TBLASTX:Maize
Start	1581	End	2052
GI	none	Score	74
Exons	1581..2048, 1810..2052		

Seq. No.	2578	Seq. ID	OJ990923_09.9C23.C18
Gene No.	5335	Strand	-
Start	23387	End	23560
Name	OJ990923_09.9C23.C18.o4.tw	Method	TBLASTX:Wheat
Start	1635	End	2118
GI	none	Score	225
Exons	1635..2117, 1638..2093, 1678..2118		

Seq. No.	2578	Seq. ID	OJ990923_09.9C23.C18
Gene No.	5335	Strand	-
Start	23387	End	23560
Name	OJ990923_09.9C23.C18.o4.ts	Method	TBLASTX:Soybean
Start	1767	End	2081
GI	none	Score	198
Exons	1767..2081		

Seq. No.	2578	Seq. ID	OJ990923_09.9C23.C18
Gene No.	5335	Strand	-
Start	23387	End	23560
Name	OJ990923_09.9C23.C18.o7.tm	Method	TBLASTX:Maize
Start	2055	End	2246
GI	none	Score	106
Exons	2055..2246, 2101..2208		

Seq. No.	2578	Seq. ID	OJ990923_09.9C23.C18
Gene No.	5335	Strand	-
Start	23387	End	23560

Name	OJ990923_09.9C23.C18.o7.tw	Method	TBLASTX:Wheat
Start	2250	End	2603
GI	none	Score	68
Exons	2250..2603, 2325..2603		

Seq. No.	2578	Seq. ID	OJ990923_09.9C23.C18
Gene No.	5335	Strand	-
Start	23387	End	23560
Name	OJ990923_09.9C23.C18.o6.tw	Method	TBLASTX:Wheat
Start	2937	End	3287
GI	none	Score	305
Exons	2937..3287		

Seq. No.	2578	Seq. ID	OJ990923_09.9C23.C18
Gene No.	5335	Strand	-
Start	23387	End	23560
Name	OJ990923_09.9C23.C18.o6.tm	Method	TBLASTX:Maize
Start	2982	End	3287
GI	none	Score	88
Exons	2982..3287, 3045..3287		

Seq. No.	2578	Seq. ID	OJ990923_09.9C23.C18
Gene No.	5335	Strand	-
Start	23387	End	23560
Name	OJ990923_09.9C23.C18.o8.tw	Method	TBLASTX:Wheat
Start	3339	End	3537
GI	none	Score	127
Exons	3339..3536, 3340..3537		

Seq. No.	2578	Seq. ID	OJ990923_09.9C23.C18
Gene No.	5335	Strand	-
Start	23387	End	23560
Name	OJ990923_09.9C23.C18.o5.ts	Method	TBLASTX:Soybean
Start	14194	End	15515
GI	none	Score	85
Exons	14194..14289, 14314..14475, 14587..14649, 15420..15515		

Seq. No.	2578	Seq. ID	OJ990923_09.9C23.C18
Gene No.	5335	Strand	-
Start	23387	End	23560
Name	OJ990923_09.9C23.C18.o3.tw	Method	TBLASTX:Wheat
Start	14203	End	21643
GI	none	Score	85
Exons	14203..14286, 14203..14649, 14204..14656, 15282..15320, 15285..15332, 15311..15331, 15414..15467, 15424..15465, 21459..21551, 21554..21643		

Seq. No.	2578	Seq. ID	OJ990923_09.9C23.C18
Gene No.	5335	Strand	-
Start	23387	End	23560
Name	OJ990923_09.9C23.C18.o3.tm	Method	TBLASTX:Maize
Start	14206	End	15554
GI	none	Score	122
Exons	14206..14466, 14207..14467, 14373..14489, 14476..14589, 14476..14592, 14608..14661, 15414..15554		

Seq. No.	2578	Seq. ID	OJ990923_09.9C23.C18

Gene No.	5335	Strand	-
Start	23387	End	23560
Name	OJ990923_09.9C23.C18.o1.tc	Method	TBLASTX:Cress
Start	14218	End	15566
GI	none	Score	107
Exons	14218..14472, 14476..14568, 14576..14653, 15414..15566		

Seq. No.	2578	Seq. ID	OJ990923_09.9C23.C18
Gene No.	5335	Strand	-
Start	23387	End	23560
Name	OJ990923_09.9C23.C18.o5.gs	Method	GENSCAN
Start	23387	End	23560
GI	none	Score	.96
Exons	23387..23504, 23556..23560		

Seq. No.	2579	Seq. ID	OJ990923_09.9C23.C19
Gene No.	5336	Strand	-
Start	6575	End	9229
Name	OJ990923_09.9C23.C19.o2.tm	Method	TBLASTX:Maize
Start	1184	End	1505
GI	none	Score	133
Exons	1184..1291, 1192..1287, 1298..1504, 1314..1505		

Seq. No.	2579	Seq. ID	OJ990923_09.9C23.C19
Gene No.	5336	Strand	-
Start	6575	End	9229
Name	OJ990923_09.9C23.C19.o1.ts	Method	TBLASTX:Soybean
Start	1211	End	1721
GI	none	Score	55
Exons	1211..1267, 1222..1263, 1296..1562, 1340..1558, 1551..1721, 1613..1714		

Seq. No.	2579	Seq. ID	OJ990923_09.9C23.C19
Gene No.	5336	Strand	-
Start	6575	End	9229
Name	OJ990923_09.9C23.C19.o1.tw	Method	TBLASTX:Wheat
Start	1359	End	1727
GI	none	Score	258
Exons	1359..1727, 1604..1717		

Seq. No.	2579	Seq. ID	OJ990923_09.9C23.C19
Gene No.	5336	Strand	-
Start	6575	End	9229
Name	OJ990923_09.9C23.C19.o1.tm	Method	TBLASTX:Maize
Start	1505	End	1922
GI	none	Score	73
Exons	1505..1660, 1527..1748, 1548..1766, 1550..1765, 1752..1922, 1836..1916		

Seq. No.	2579	Seq. ID	OJ990923_09.9C23.C19
Gene No.	5336	Strand	-
Start	6575	End	9229
Name	OJ990923_09.9C23.C19.o2.gs	Method	GENSCAN
Start	6575	End	9229
GI	none	Score	.69
Exons	6575..6981, 7322..7476, 8053..8129, 8386..8532, 8858..8983, 9104..9229		

Seq. No.	2579	Seq. ID	OJ990923_09.9C23.C19
Gene No.	5336	Strand	-
Start	6575	End	9229
Name	OJ990923_09.9C23.C19.o3.np	Method	AAT/NAP
Start	6578	End	8522
GI	5668813	Score	219
Exons	6578..6966, 8481..8522		
GI Descrip.	(AC007519) Similar to gb|X77136 HSR203J protein from Nicotiana tabacum and is a member of the PF|00135 Carboxylesterase family. ESTs gb|Z25688 and gb|F14025 come from this gene. [Arabidopsis thaliana]		

Seq. No.	2580	Seq. ID	OJ990923_09.9C23.C20
Gene No.	5337	Strand	-
Start	903	End	2494
Name	OJ990923_09.9C23.C20.o1.gs	Method	GENSCAN
Start	903	End	2494
GI	none	Score	.97
Exons	903..1363, 2193..2241, 2345..2494		

Seq. No.	2580	Seq. ID	OJ990923_09.9C23.C20
Gene No.	5337	Strand	-
Start	903	End	2494
Name	OJ990923_09.9C23.C20.o1.np	Method	AAT/NAP
Start	906	End	2494
GI	4127370	Score	896
Exons	906..1363, 2193..2241, 2345..2494		
GI Descrip.	(AJ010453) glutathione transferase [Alopecurus myosuroides]		

Seq. No.	2580	Seq. ID	OJ990923_09.9C23.C20
Gene No.	5337	Strand	-
Start	903	End	2494
Name	OJ990923_09.9C23.C20.o1.gp	Method	AAT/GAP
Start	969	End	2244
GI	3114881	Score	850
Exons	969..1363, 2193..2244		
GI Descrip.	3114882/emb|CAA05354| 2.0e-84 (AJ002380) glutathione S-transferase [Oryza sativa]		

Seq. No.	2580	Seq. ID	OJ990923_09.9C23.C20
Gene No.	5338	Strand	-
Start	3047	End	3193
Name	OJ990923_09.9C23.C20.o1.tm	Method	TBLASTX:Maize
Start	916	End	2501
GI	none	Score	141
Exons	916..1092, 931..1014, 933..1187, 1177..1311, 1179..1325, 2194..2241, 2195..2242, 2345..2500, 2346..2501		

Seq. No.	2580	Seq. ID	OJ990923_09.9C23.C20
Gene No.	5338	Strand	-
Start	3047	End	3193
Name	OJ990923_09.9C23.C20.o1.tw	Method	TBLASTX:Wheat
Start	916	End	2398
GI	none	Score	416
Exons	916..1368, 931..1026, 933..1364, 1183..1365, 2194..2241, 2195..2248, 2345..2398, 2355..2393		

Seq. No.	2580	Seq. ID	OJ990923_09.9C23.C20
Gene No.	5338	Strand	-
Start	3047	End	3193
Name	OJ990923_09.9C23.C20.o1.tc	Method	TBLASTX:Cress
Start	933	End	2494
GI	none	Score	85
Exons	933..1187, 949..1086, 1206..1376, 2194..2241, 2345..2494		

Seq. No.	2580	Seq. ID	OJ990923_09.9C23.C20
Gene No.	5338	Strand	-
Start	3047	End	3193
Name	OJ990923_09.9C23.C20.o1.ts	Method	TBLASTX:Soybean
Start	1029	End	2446
GI	none	Score	82
Exons	1029..1187, 1042..1182, 1191..1289, 1302..1364, 2194..2241, 2351..2446		

Seq. No.	2580	Seq. ID	OJ990923_09.9C23.C20
Gene No.	5338	Strand	-
Start	3047	End	3193
Name	OJ990923_09.9C23.C20.o2.gs	Method	GENSCAN
Start	3047	End	3193
GI	none	Score	.68
Exons	3047..3193		

Seq. No.	2581	Seq. ID	OJ990923_09.9C23.C21
Gene No.	5339	Strand	-
Start	7	End	1418
Name	OJ990923_09.9C23.C21.o1.gs	Method	GENSCAN
Start	7	End	1418
GI	none	Score	.9
Exons	7..249, 1357..1418		

Seq. No.	2582	Seq. ID	OJ990923_09.9C23.C22
Gene No.	5340	Strand	+
Start	1646	End	1999
Name	OJ990923_09.9C23.C22.o1.np	Method	AAT/NAP
Start	1646	End	1999
GI	4127354	Score	153
Exons	1646..1825, 1957..1999		
GI Descrip.	(AJ010452) glutathione transferase [Alopecurus myosuroides]		

Seq. No.	2582	Seq. ID	OJ990923_09.9C23.C22
Gene No.	5341	Strand	-
Start	1607	End	1783
Name	OJ990923_09.9C23.C22.o1.gs	Method	GENSCAN
Start	1607	End	1783
GI	none	Score	.97
Exons	1607..1783		

Seq. No.	2583	Seq. ID	OJ990923_09.9C23.C23
Gene No.	5342	Strand	+
Start	1	End	1634
Name	OJ990923_09.9C23.C23.o1.np	Method	AAT/NAP
Start	1	End	1634
GI	4127370	Score	424

Exons	1..68, 465..516, 1178..1634		
GI Descrip.	(AJ010453) glutathione transferase [Alopecurus myosuroides]		
Seq. No.	2583	Seq. ID	OJ990923_09.9C23.C23
Gene No.	5343	Strand	+
Start	2050	End	3816
Name	OJ990923_09.9C23.C23.o1.tc	Method	TBLASTX:Cress
Start	456	End	3039
GI	none	Score	73
Exons	456..515, 1197..1310, 1358..1630, 1359..1649, 2050..2199, 2098..2220, 2986..3039		
Seq. No.	2583	Seq. ID	OJ990923_09.9C23.C23
Gene No.	5343	Strand	+
Start	2050	End	3816
Name	OJ990923_09.9C23.C23.o1.tm	Method	TBLASTX:Maize
Start	467	End	3039
GI	none	Score	75
Exons	467..514, 468..515, 1213..1269, 1254..1361, 1259..1369, 1344..1622, 1358..1639, 2050..2199, 2113..2199, 2983..3039		
Seq. No.	2583	Seq. ID	OJ990923_09.9C23.C23
Gene No.	5343	Strand	+
Start	2050	End	3816
Name	OJ990923_09.9C23.C23.o1.tw	Method	TBLASTX:Wheat
Start	467	End	3039
GI	none	Score	83
Exons	467..514, 468..515, 1171..1227, 1176..1205, 1214..1273, 1227..1268, 1254..1619, 1259..1621, 2983..3039		
Seq. No.	2583	Seq. ID	OJ990923_09.9C23.C23
Gene No.	5343	Strand	+
Start	2050	End	3816
Name	OJ990923_09.9C23.C23.o2.np	Method	AAT/NAP
Start	2050	End	3816
GI	4127352	Score	205
Exons	2050..2199, 2992..3039, 3752..3816		
GI Descrip.	(AJ010451) glutathione transferase [Alopecurus myosuroides]		
Seq. No.	2583	Seq. ID	OJ990923_09.9C23.C23
Gene No.	5343	Strand	+
Start	2050	End	3816
Name	OJ990923_09.9C23.C23.o1.gp	Method	AAT/GAP
Start	2151	End	3040
GI	LIB3433-029-P1-K1-A12	Score	134
Exons	2151..2199, 2992..3040		
GI Descrip.	'4127372/emb|CAA09193| 1.0e-29 (AJ010454) glutathione transferase [Alopecurus myosuroides]'		
Seq. No.	2584	Seq. ID	OJ990923_09.9C23.C24
Gene No.	5344	Strand	+
Start	160	End	10188
Name	OJ990923_09.9C23.C24.o1.tm	Method	TBLASTX:Maize
Start	159	End	612
GI	none	Score	176
Exons	159..335, 160..336, 166..357, 301..612, 316..597		

Seq. No.	2584	Seq. ID	OJ990923_09.9C23.C24
Gene No.	5344	Strand	+
Start	160	End	10188
Name	OJ990923_09.9C23.C24.o1.tw	Method	TBLASTX:Wheat
Start	159	End	587
GI	none	Score	54
Exons	159..194, 160..198, 190..582, 214..579, 231..587		

Seq. No.	2584	Seq. ID	OJ990923_09.9C23.C24
Gene No.	5344	Strand	+
Start	160	End	10188
Name	OJ990923_09.9C23.C24.o1.gp	Method	AAT/GAP
Start	160	End	349
GI	LIB3433-029-P1-K1-A12	Score	356
Exons	160..349		
GI Descrip.	'4127372/emb|CAA09193| 1.0e-29 (AJ010454) glutathione transferase [Alopecurus myosuroides]'		

Seq. No.	2584	Seq. ID	OJ990923_09.9C23.C24
Gene No.	5344	Strand	+
Start	160	End	10188
Name	OJ990923_09.9C23.C24.o1.np	Method	AAT/NAP
Start	163	End	609
GI	4127352	Score	421
Exons	163..609		
GI Descrip.	(AJ010451) glutathione transferase [Alopecurus myosuroides]		

Seq. No.	2584	Seq. ID	OJ990923_09.9C23.C24
Gene No.	5344	Strand	+
Start	160	End	10188
Name	OJ990923_09.9C23.C24.o1.gs	Method	GENSCAN
Start	241	End	4531
GI	none	Score	.45
Exons	241..579, 1113..1300, 3048..3118, 3319..3501, 3626..3823, 4305..4531		

Seq. No.	2584	Seq. ID	OJ990923_09.9C23.C24
Gene No.	5344	Strand	+
Start	160	End	10188
Name	OJ990923_09.9C23.C24.o1.tc	Method	TBLASTX:Cress
Start	334	End	597
GI	none	Score	186
Exons	334..597, 343..582, 417..596		

Seq. No.	2584	Seq. ID	OJ990923_09.9C23.C24
Gene No.	5344	Strand	+
Start	160	End	10188
Name	OJ990923_09.9C23.C24.o2.np	Method	AAT/NAP
Start	1291	End	7721
GI	5257279	Score	1138
Exons	1291..1339, 3048..5096, 7698..7721		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	2584	Seq. ID	OJ990923_09.9C23.C24
Gene No.	5344	Strand	+
Start	160	End	10188

Name	OJ990923_09.9C23.C24.o3.np	Method	AAT/NAP
Start	3593	End	10188
GI	4522005	Score	342
Exons	3593..3682, 7236..7659, 8444..8563, 10133..10188		
GI Descrip.	(AC007069) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	2584	Seq. ID	OJ990923_09.9C23.C24
Gene No.	5344	Strand	+
Start	160	End	10188
Name	OJ990923_09.9C23.C24.o3.tw	Method	TBLASTX:Wheat
Start	4427	End	4902
GI	none	Score	190
Exons	4427..4645, 4438..4650, 4647..4733, 4717..4869, 4735..4902, 4758..4874		

Seq. No.	2584	Seq. ID	OJ990923_09.9C23.C24
Gene No.	5344	Strand	+
Start	160	End	10188
Name	OJ990923_09.9C23.C24.o4.tm	Method	TBLASTX:Maize
Start	4436	End	4721
GI	none	Score	180
Exons	4436..4645, 4438..4509, 4537..4650, 4643..4720, 4647..4721		

Seq. No.	2584	Seq. ID	OJ990923_09.9C23.C24
Gene No.	5344	Strand	+
Start	160	End	10188
Name	OJ990923_09.9C23.C24.o5.tm	Method	TBLASTX:Maize
Start	4816	End	5073
GI	none	Score	186
Exons	4816..5073		

Seq. No.	2584	Seq. ID	OJ990923_09.9C23.C24
Gene No.	5344	Strand	+
Start	160	End	10188
Name	OJ990923_09.9C23.C24.o1.ts	Method	TBLASTX:Soybean
Start	4843	End	5093
GI	none	Score	50
Exons	4843..4881, 4879..5091, 4881..5093		

Seq. No.	2584	Seq. ID	OJ990923_09.9C23.C24
Gene No.	5344	Strand	+
Start	160	End	10188
Name	OJ990923_09.9C23.C24.o2.gs	Method	GENSCAN
Start	6179	End	9666
GI	none	Score	.59
Exons	6179..6460, 6476..6779, 8250..8386, 8438..8485, 8787..9529, 9642..9666		

Seq. No.	2584	Seq. ID	OJ990923_09.9C23.C24
Gene No.	5344	Strand	+
Start	160	End	10188
Name	OJ990923_09.9C23.C24.o4.tw	Method	TBLASTX:Wheat
Start	7329	End	7668
GI	none	Score	61
Exons	7329..7424, 7330..7371, 7363..7668, 7363..7515, 7401..7667		

Seq. No.	2584	Seq. ID	OJ990923_09.9C23.C24
Gene No.	5344	Strand	+
Start	160	End	10188
Name	OJ990923_09.9C23.C24.o2.tw	Method	TBLASTX:Wheat
Start	8673	End	9060
GI	none	Score	354
Exons	8673..9059, 8684..9058, 8731..9060		

Seq. No.	2584	Seq. ID	OJ990923_09.9C23.C24
Gene No.	5344	Strand	+
Start	160	End	10188
Name	OJ990923_09.9C23.C24.o4.np	Method	AAT/NAP
Start	8679	End	10188
GI	6539553	Score	2577
Exons	8679..10188		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	2584	Seq. ID	OJ990923_09.9C23.C24
Gene No.	5344	Strand	+
Start	160	End	10188
Name	OJ990923_09.9C23.C24.o3.tm	Method	TBLASTX:Maize
Start	8808	End	9121
GI	none	Score	366
Exons	8808..9119, 8816..9121		

Seq. No.	2584	Seq. ID	OJ990923_09.9C23.C24
Gene No.	5344	Strand	+
Start	160	End	10188
Name	OJ990923_09.9C23.C24.o2.tm	Method	TBLASTX:Maize
Start	9620	End	9942
GI	none	Score	268
Exons	9620..9874, 9627..9941, 9647..9940, 9775..9942		

Seq. No.	2585	Seq. ID	OJ990923_09.9C23.C25
Gene No.	5345	Strand	+
Start	1	End	2188
Name	OJ990923_09.9C23.C25.o1.np	Method	AAT/NAP
Start	1	End	2188
GI	6539553	Score	3721
Exons	1..2188		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	2585	Seq. ID	OJ990923_09.9C23.C25
Gene No.	5345	Strand	+
Start	1	End	2188
Name	OJ990923_09.9C23.C25.o3.ts	Method	TBLASTX:Soybean
Start	1	End	369
GI	none	Score	163
Exons	1..195, 3..149, 196..369, 204..242		

Seq. No.	2585	Seq. ID	OJ990923_09.9C23.C25

Gene No.	5345	Strand	+
Start	1	End	2188
Name	OJ990923_09.9C23.C25.o3.tm	Method	TBLASTX:Maize
Start	4	End	369
GI	none	Score	154
Exons	4..183, 4..114, 202..369		

Seq. No.	2585	Seq. ID	OJ990923_09.9C23.C25
Gene No.	5345	Strand	+
Start	1	End	2188
Name	OJ990923_09.9C23.C25.o1.tw	Method	TBLASTX:Wheat
Start	19	End	774
GI	none	Score	923
Exons	19..774, 27..521, 557..754, 615..773		

Seq. No.	2585	Seq. ID	OJ990923_09.9C23.C25
Gene No.	5345	Strand	+
Start	1	End	2188
Name	OJ990923_09.9C23.C25.o1.ts	Method	TBLASTX:Soybean
Start	694	End	1158
GI	5509260	Score	380
Exons	694..1158, 795..863, 912..1007, 1080..1139		
GI Descrip.	-		

Seq. No.	2585	Seq. ID	OJ990923_09.9C23.C25
Gene No.	5345	Strand	+
Start	1	End	2188
Name	OJ990923_09.9C23.C25.o1.tc	Method	TBLASTX:Cress
Start	786	End	1047
GI	none	Score	284
Exons	786..866, 787..1047		

Seq. No.	2585	Seq. ID	OJ990923_09.9C23.C25
Gene No.	5345	Strand	+
Start	1	End	2188
Name	OJ990923_09.9C23.C25.o1.tm	Method	TBLASTX:Maize
Start	828	End	1293
GI	none	Score	361
Exons	828..1010, 829..1293, 964..1146, 1080..1190		

Seq. No.	2585	Seq. ID	OJ990923_09.9C23.C25
Gene No.	5345	Strand	+
Start	1	End	2188
Name	OJ990923_09.9C23.C25.o3.tw	Method	TBLASTX:Wheat
Start	829	End	1374
GI	none	Score	319
Exons	829..1173, 976..1149, 1168..1374, 1242..1364		

Seq. No.	2585	Seq. ID	OJ990923_09.9C23.C25
Gene No.	5345	Strand	+
Start	1	End	2188
Name	OJ990923_09.9C23.C25.o2.ts	Method	TBLASTX:Soybean
Start	1227	End	1572
GI	none	Score	314
Exons	1227..1427, 1228..1572		

Seq. No.	2585	Seq. ID	OJ990923_09.9C23.C25

Gene No.	5345	Strand	+
Start	1	End	2188
Name	OJ990923_09.9C23.C25.o2.tm	Method	TBLASTX:Maize
Start	1383	End	1722
GI	none	Score	318
Exons	1383..1721, 1384..1722		

Seq. No.	2585	Seq. ID	OJ990923_09.9C23.C25
Gene No.	5345	Strand	+
Start	1	End	2188
Name	OJ990923_09.9C23.C25.o2.tw	Method	TBLASTX:Wheat
Start	1578	End	2018
GI	none	Score	101
Exons	1578..1649, 1579..1653, 1667..1975, 1668..2018, 1669..2016		

Seq. No.	2585	Seq. ID	OJ990923_09.9C23.C25
Gene No.	5345	Strand	+
Start	1	End	2188
Name	OJ990923_09.9C23.C25.o4.ts	Method	TBLASTX:Soybean
Start	1585	End	1926
GI	none	Score	91
Exons	1585..1698, 1611..1691, 1717..1926, 1722..1847		

Seq. No.	2586	Seq. ID	OJ990923_09.9C23.C26
Gene No.	5346	Strand	+
Start	343	End	5441
Name	OJ990923_09.9C23.C26.o1.ts	Method	TBLASTX:Soybean
Start	320	End	646
GI	none	Score	132
Exons	320..511, 521..646		

Seq. No.	2586	Seq. ID	OJ990923_09.9C23.C26
Gene No.	5346	Strand	+
Start	343	End	5441
Name	OJ990923_09.9C23.C26.o1.gs	Method	GENSCAN
Start	343	End	5441
GI	none	Score	.41
Exons	343..533, 1117..1264, 1821..2019, 2848..3420, 3455..3910, 4289..4444, 4606..4647, 4696..4833, 5145..5441		

Seq. No.	2586	Seq. ID	OJ990923_09.9C23.C26
Gene No.	5346	Strand	+
Start	343	End	5441
Name	OJ990923_09.9C23.C26.o1.tw	Method	TBLASTX:Wheat
Start	409	End	805
GI	none	Score	83
Exons	409..693, 422..742, 424..786, 425..805		

Seq. No.	2586	Seq. ID	OJ990923_09.9C23.C26
Gene No.	5346	Strand	+
Start	343	End	5441
Name	OJ990923_09.9C23.C26.o1.tm	Method	TBLASTX:Maize
Start	493	End	865
GI	none	Score	309
Exons	493..615, 494..865, 530..817		

Seq. No.	2586	Seq. ID	OJ990923_09.9C23.C26

Gene No.	5346	Strand	+
Start	343	End	5441
Name	OJ990923_09.9C23.C26.o2.tw	Method	TBLASTX:Wheat
Start	1455	End	1751
GI	none	Score	226
Exons	1455..1751, 1490..1582		

Seq. No.	2586	Seq. ID	OJ990923_09.9C23.C26
Gene No.	5346	Strand	+
Start	343	End	5441
Name	OJ990923_09.9C23.C26.o3.tw	Method	TBLASTX:Wheat
Start	1977	End	2256
GI	none	Score	190
Exons	1977..2255, 1978..2256		

Seq. No.	2586	Seq. ID	OJ990923_09.9C23.C26
Gene No.	5346	Strand	+
Start	343	End	5441
Name	OJ990923_09.9C23.C26.o2.np	Method	AAT/NAP
Start	2551	End	4391
GI	6907087	Score	417
Exons	2551..3264, 4331..4391		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2587	Seq. ID	OJ990923_09.9C23.C27
Gene No.	5347	Strand	+
Start	219	End	667
Name	OJ990923_09.9C23.C27.o1.gs	Method	GENSCAN
Start	219	End	667
GI	none	Score	.85
Exons	219..288, 582..667		

Seq. No.	2587	Seq. ID	OJ990923_09.9C23.C27
Gene No.	5348	Strand	+
Start	1097	End	1478
Name	OJ990923_09.9C23.C27.o1.gp	Method	AAT/GAP
Start	1097	End	1478
GI	uC-osflcyp033a04b1	Score	671
Exons	1097..1478		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	2587	Seq. ID	OJ990923_09.9C23.C27
Gene No.	5349	Strand	+
Start	5564	End	13681
Name	OJ990923_09.9C23.C27.o4.np	Method	AAT/NAP
Start	5564	End	12002
GI	4680179	Score	629
Exons	5564..5595, 8861..9571, 11954..12002		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2587	Seq. ID	OJ990923_09.9C23.C27
Gene No.	5349	Strand	+
Start	5564	End	13681
Name	OJ990923_09.9C23.C27.o3.gs	Method	GENSCAN

Start	11072	End	13681
GI	none	Score	.85
Exons	11072..11258, 13617..13681		

Seq. No.	2587	Seq. ID	OJ990923_09.9C23.C27
Gene No.	5350	Strand	+
Start	22641	End	24029
Name	OJ990923_09.9C23.C27.o5.np	Method	AAT/NAP
Start	22641	End	24029
GI	5734705	Score	90
Exons	22641..22805, 23674..24029		
GI Descrip.	(AC008075) F24J5.4 [Arabidopsis thaliana] gi|6524187|gb|AAF15072.1|AC011914_14 (AC011914) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2587	Seq. ID	OJ990923_09.9C23.C27
Gene No.	5351	Strand	-
Start	1030	End	8790
Name	OJ990923_09.9C23.C27.o1.np	Method	AAT/NAP
Start	1030	End	3195
GI	4680186	Score	376
Exons	1030..1230, 2069..2120, 3122..3195		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	2587	Seq. ID	OJ990923_09.9C23.C27
Gene No.	5351	Strand	-
Start	1030	End	8790
Name	OJ990923_09.9C23.C27.o2.gs	Method	GENSCAN
Start	2487	End	8790
GI	none	Score	.61
Exons	2487..2764, 2965..3601, 3614..4552, 4593..4711, 4913..5003, 5287..5490, 5524..5617, 5975..6212, 6276..6512, 6520..6677, 6761..6945, 7108..7302, 7569..8171, 8190..8332, 8691..8790		

Seq. No.	2587	Seq. ID	OJ990923_09.9C23.C27
Gene No.	5351	Strand	-
Start	1030	End	8790
Name	OJ990923_09.9C23.C27.o2.np	Method	AAT/NAP
Start	2490	End	8112
GI	4378066	Score	2637
Exons	2490..7299, 7664..8112		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	2587	Seq. ID	OJ990923_09.9C23.C27
Gene No.	5352	Strand	-
Start	17606	End	20125
Name	OJ990923_09.9C23.C27.o5.tw	Method	TBLASTX:Wheat
Start	2984	End	3364
GI	none	Score	58
Exons	2984..3178, 3170..3364, 3219..3341		

Seq. No.	2587	Seq. ID	OJ990923_09.9C23.C27
Gene No.	5352	Strand	-
Start	17606	End	20125
Name	OJ990923_09.9C23.C27.o2.ts	Method	TBLASTX:Soybean

Start	3071	End	3430
GI	none	Score	62
Exons	3071..3295, 3087..3296, 3302..3430, 3303..3416		

Seq. No.	2587	Seq. ID	OJ990923_09.9C23.C27
Gene No.	5352	Strand	-
Start	17606	End	20125
Name	OJ990923_09.9C23.C27.o2.tm	Method	TBLASTX:Maize
Start	3086	End	3448
GI	none	Score	80
Exons	3086..3208, 3086..3448, 3138..3356		

Seq. No.	2587	Seq. ID	OJ990923_09.9C23.C27
Gene No.	5352	Strand	-
Start	17606	End	20125
Name	OJ990923_09.9C23.C27.o5.tm	Method	TBLASTX:Maize
Start	3449	End	3718
GI	none	Score	77
Exons	3449..3616, 3452..3718, 3459..3671		

Seq. No.	2587	Seq. ID	OJ990923_09.9C23.C27
Gene No.	5352	Strand	-
Start	17606	End	20125
Name	OJ990923_09.9C23.C27.o4.tw	Method	TBLASTX:Wheat
Start	3917	End	4349
GI	none	Score	108
Exons	3917..4348, 3924..4208, 4236..4349		

Seq. No.	2587	Seq. ID	OJ990923_09.9C23.C27
Gene No.	5352	Strand	-
Start	17606	End	20125
Name	OJ990923_09.9C23.C27.o3.ts	Method	TBLASTX:Soybean
Start	3987	End	4351
GI	none	Score	73
Exons	3987..4211, 3992..4351		

Seq. No.	2587	Seq. ID	OJ990923_09.9C23.C27
Gene No.	5352	Strand	-
Start	17606	End	20125
Name	OJ990923_09.9C23.C27.o1.ts	Method	TBLASTX:Soybean
Start	4590	End	9149
GI	none	Score	70
Exons	4590..4958, 4765..4908, 8868..9149		

Seq. No.	2587	Seq. ID	OJ990923_09.9C23.C27
Gene No.	5352	Strand	-
Start	17606	End	20125
Name	OJ990923_09.9C23.C27.o4.tm	Method	TBLASTX:Maize
Start	4590	End	9351
GI	none	Score	223
Exons	4590..4667, 8930..9061, 8946..9227, 9152..9214, 9223..9351, 9225..9347		

Seq. No.	2587	Seq. ID	OJ990923_09.9C23.C27
Gene No.	5352	Strand	-
Start	17606	End	20125
Name	OJ990923_09.9C23.C27.o3.tw	Method	TBLASTX:Wheat

Start	4590	End	9056
GI	none	Score	101
Exons	4590..5003, 4686..4901, 4690..5004, 8868..9056		

Seq. No.	2587	Seq. ID	OJ990923_09.9C23.C27
Gene No.	5352	Strand	-
Start	17606	End	20125
Name	OJ990923_09.9C23.C27.o3.tm	Method	TBLASTX:Maize
Start	4677	End	5061
GI	none	Score	198
Exons	4677..5060, 4690..5061		

Seq. No.	2587	Seq. ID	OJ990923_09.9C23.C27
Gene No.	5352	Strand	-
Start	17606	End	20125
Name	OJ990923_09.9C23.C27.o1.tm	Method	TBLASTX:Maize
Start	5068	End	5404
GI	none	Score	70
Exons	5068..5403, 5106..5270, 5113..5361, 5144..5404		

Seq. No.	2587	Seq. ID	OJ990923_09.9C23.C27
Gene No.	5352	Strand	-
Start	17606	End	20125
Name	OJ990923_09.9C23.C27.o1.tw	Method	TBLASTX:Wheat
Start	5077	End	5532
GI	none	Score	268
Exons	5077..5532, 5078..5482		

Seq. No.	2587	Seq. ID	OJ990923_09.9C23.C27
Gene No.	5352	Strand	-
Start	17606	End	20125
Name	OJ990923_09.9C23.C27.o6.tw	Method	TBLASTX:Wheat
Start	6907	End	7230
GI	none	Score	186
Exons	6907..7230		

Seq. No.	2587	Seq. ID	OJ990923_09.9C23.C27
Gene No.	5352	Strand	-
Start	17606	End	20125
Name	OJ990923_09.9C23.C27.o6.tm	Method	TBLASTX:Maize
Start	6994	End	7272
GI	none	Score	66
Exons	6994..7272, 6995..7132		

Seq. No.	2587	Seq. ID	OJ990923_09.9C23.C27
Gene No.	5352	Strand	-
Start	17606	End	20125
Name	OJ990923_09.9C23.C27.o2.tw	Method	TBLASTX:Wheat
Start	9060	End	9549
GI	none	Score	189
Exons	9060..9227, 9107..9220, 9219..9443, 9223..9549, 9228..9461		

Seq. No.	2587	Seq. ID	OJ990923_09.9C23.C27
Gene No.	5352	Strand	-
Start	17606	End	20125
Name	OJ990923_09.9C23.C27.o4.gs	Method	GENSCAN
Start	17606	End	20125

GI	none	Score	.75
Exons	17606..17775, 17845..17958, 18036..18605, 19969..20125		

Seq. No.	2588	Seq. ID	OJ990923_09.9C23.C28
Gene No.	5353	Strand	-
Start	1390	End	1820
Name	OJ990923_09.9C23.C28.o1.gp	Method	AAT/GAP
Start	1390	End	1820
GI	101781_1.R1084	Score	756
Exons	1390..1820		
GI Descrip.	'3135074/emb|CAA69252| 0.0e+00 (Y07955) anthocyanidin synthase [Oryza sativa]'		

Seq. No.	2589	Seq. ID	OJ990923_09.9C23.C29
Gene No.	5354	Strand	+
Start	249	End	1152
Name	OJ990923_09.9C23.C29.o1.gs	Method	GENSCAN
Start	249	End	1152
GI	none	Score	.94
Exons	249..429, 490..589, 686..1152		

Seq. No.	2589	Seq. ID	OJ990923_09.9C23.C29
Gene No.	5354	Strand	+
Start	249	End	1152
Name	OJ990923_09.9C23.C29.o1.np	Method	AAT/NAP
Start	280	End	1149
GI	4127372	Score	553
Exons	280..429, 541..589, 686..1149		
GI Descrip.	(AJ010454) glutathione transferase [Alopecurus myosuroides]		

Seq. No.	2589	Seq. ID	OJ990923_09.9C23.C29
Gene No.	5354	Strand	+
Start	249	End	1152
Name	OJ990923_09.9C23.C29.o1.tm	Method	TBLASTX:Maize
Start	280	End	1134
GI	none	Score	140
Exons	280..429, 504..587, 532..588, 672..755, 703..948, 733..948, 963..1037, 964..1041, 1050..1133, 1051..1134		

Seq. No.	2589	Seq. ID	OJ990923_09.9C23.C29
Gene No.	5354	Strand	+
Start	249	End	1152
Name	OJ990923_09.9C23.C29.o1.ts	Method	TBLASTX:Soybean
Start	328	End	1032
GI	none	Score	61
Exons	328..420, 538..588, 673..726, 769..960, 870..1010, 964..1032		

Seq. No.	2589	Seq. ID	OJ990923_09.9C23.C29
Gene No.	5354	Strand	+
Start	249	End	1152
Name	OJ990923_09.9C23.C29.o1.tw	Method	TBLASTX:Wheat
Start	376	End	1134
GI	none	Score	66
Exons	376..429, 498..587, 532..588, 685..735, 733..900, 733..819, 880..948, 963..1037, 964..1041, 1051..1134		

Seq. No.	2589	Seq. ID	OJ990923_09.9C23.C29

Gene No.	5354	Strand	+
Start	249	End	1152
Name	OJ990923_09.9C23.C29.o1.tc	Method	TBLASTX:Cress
Start	538	End	1137
GI	none	Score	57
Exons	538..588, 685..729, 769..948,	964..1029, 1072..1137	

Seq. No.	2590	Seq. ID	OJ990923_09.9C23.C30
Gene No.	5355	Strand	-
Start	1	End	1592
Name	OJ990923_09.9C23.C30.o1.gp	Method	AAT/GAP
Start	1	End	1592
GI	3135073	Score	3100
Exons	1..1592		
GI Descrip.	3135074/emb|CAA69252| 0.0e+00 (Y07955) anthocyanidin synthase [Oryza sativa]		

Seq. No.	2590	Seq. ID	OJ990923_09.9C23.C30
Gene No.	5355	Strand	-
Start	1	End	1592
Name	OJ990923_09.9C23.C30.o1.gs	Method	GENSCAN
Start	413	End	1540
GI	none	Score	.99
Exons	413..1540		

Seq. No.	2590	Seq. ID	OJ990923_09.9C23.C30
Gene No.	5355	Strand	-
Start	1	End	1592
Name	OJ990923_09.9C23.C30.o1.np	Method	AAT/NAP
Start	416	End	1540
GI	3135074	Score	1897
Exons	416..1540		
GI Descrip.	(Y07955) anthocyanidin synthase [Oryza sativa]		

Seq. No.	2590	Seq. ID	OJ990923_09.9C23.C30
Gene No.	5356	Strand	-
Start	2739	End	7394
Name	OJ990923_09.9C23.C30.o1.tc	Method	TBLASTX:Cress
Start	473	End	1522
GI	none	Score	216
Exons	473..523, 545..895, 597..872,	911..1291, 1436..1522	

Seq. No.	2590	Seq. ID	OJ990923_09.9C23.C30
Gene No.	5356	Strand	-
Start	2739	End	7394
Name	OJ990923_09.9C23.C30.o1.tm	Method	TBLASTX:Maize
Start	494	End	898
GI	none	Score	360
Exons	494..523, 539..898, 600..875,	752..898	

Seq. No.	2590	Seq. ID	OJ990923_09.9C23.C30
Gene No.	5356	Strand	-
Start	2739	End	7394
Name	OJ990923_09.9C23.C30.o1.ts	Method	TBLASTX:Soybean
Start	542	End	1522
GI	none	Score	110
Exons	542..589, 572..898, 603..860,	1013..1285, 1427..1522	

Seq. No.	2590	Seq. ID	OJ990923_09.9C23.C30
Gene No.	5356	Strand	-
Start	2739	End	7394
Name	OJ990923_09.9C23.C30.o3.tm	Method	TBLASTX:Maize
Start	1208	End	1522
GI	none	Score	54
Exons	1208..1291, 1220..1291, 1281..1298, 1361..1522, 1362..1388, 1464..1499		

Seq. No.	2590	Seq. ID	OJ990923_09.9C23.C30
Gene No.	5356	Strand	-
Start	2739	End	7394
Name	OJ990923_09.9C23.C30.o2.np	Method	AAT/NAP
Start	2739	End	7394
GI	6069646	Score	401
Exons	2739..3573, 7263..7394		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	2590	Seq. ID	OJ990923_09.9C23.C30
Gene No.	5356	Strand	-
Start	2739	End	7394
Name	OJ990923_09.9C23.C30.o2.tm	Method	TBLASTX:Maize
Start	2831	End	3283
GI	none	Score	75
Exons	2831..2929, 2978..3190, 3020..3181, 3042..3221, 3251..3283		

Seq. No.	2590	Seq. ID	OJ990923_09.9C23.C30
Gene No.	5356	Strand	-
Start	2739	End	7394
Name	OJ990923_09.9C23.C30.o1.tw	Method	TBLASTX:Wheat
Start	3017	End	3185
GI	none	Score	78
Exons	3017..3184, 3051..3185		

Seq. No.	2591	Seq. ID	OJ990923_09.9C23.C31
Gene No.	5357	Strand	-
Start	453	End	637
Name	OJ990923_09.9C23.C31.o1.np	Method	AAT/NAP
Start	453	End	637
GI	4538901	Score	154
Exons	453..637		
GI Descrip.	(AL049482) RNA-directed DNA polymerase-like protein [Arabidopsis thaliana]		

Seq. No.	2592	Seq. ID	OJ990823_01.9C20.C1
Gene No.	5358	Strand	-
Start	1	End	909
Name	OJ990823_01.9C20.C1.o1.np	Method	AAT/NAP
Start	1	End	909
GI	1351989	Score	397
Exons	1..174, 260..346, 434..514, 615..749, 865..909		
GI Descrip.	ASPARAGINE SYNTHETASE [GLUTAMINE-HYDROLYZING]		

(GLUTAMINE-DEPENDENT ASPARAGINE SYNTHETASE) gi|984262|emb|CAA58052| (X82849) asparragine synthetase [Zea mays]

Seq. No.	2592	Seq. ID	OJ990823_01.9C20.C1
Gene No.	5358	Strand	-
Start	1	End	909
Name	OJ990823_01.9C20.C1.o1.tm	Method	TBLASTX:Maize
Start	63	End	909
GI	none	Score	122
Exons	63..176, 67..177, 67..177, 257..352, 258..353, 434..514, 434..514, 438..596, 609..659, 615..659, 616..660, 857..907, 858..908, 862..909		

Seq. No.	2592	Seq. ID	OJ990823_01.9C20.C1
Gene No.	5358	Strand	-
Start	1	End	909
Name	OJ990823_01.9C20.C1.o1.gp	Method	AAT/GAP
Start	66	End	180
GI	21403_1.R1084	Score	166
Exons	66..180		
GI Descrip.	'1351989/sp|P49094|ASNS_MAIZE 3.0e-30 ASPARAGINE SYNTHETASE [GLUTAMINE-HYDROLYZING] (GLUTAMINE-DEPENDENT ASPARAGINE SYNTHETASE) >gi_984262_emb_CAA58052_ (X82849) asparragine synthetase [Zea mays]'		

Seq. No.	2592	Seq. ID	OJ990823_01.9C20.C1
Gene No.	5358	Strand	-
Start	1	End	909
Name	OJ990823_01.9C20.C1.o1.gs	Method	GENSCAN
Start	67	End	641
GI	none	Score	.91
Exons	67..174, 434..514, 615..641		

Seq. No.	2592	Seq. ID	OJ990823_01.9C20.C1
Gene No.	5358	Strand	-
Start	1	End	909
Name	OJ990823_01.9C20.C1.o1.ts	Method	TBLASTX:Soybean
Start	67	End	906
GI	none	Score	88
Exons	67..186, 71..181, 257..295, 320..349, 321..350, 410..517, 429..506, 507..527, 612..659, 613..660, 862..906		

Seq. No.	2592	Seq. ID	OJ990823_01.9C20.C1
Gene No.	5358	Strand	-
Start	1	End	909
Name	OJ990823_01.9C20.C1.o1.tc	Method	TBLASTX:Cress
Start	67	End	906
GI	none	Score	74
Exons	67..174, 68..175, 68..199, 257..295, 276..353, 279..344, 320..352, 434..499, 435..512, 612..659, 862..906		

Seq. No.	2593	Seq. ID	OJ990823_01.9C20.C7
Gene No.	5359	Strand	+
Start	279	End	5071
Name	OJ990823_01.9C20.C7.o1.gs	Method	GENSCAN
Start	279	End	4480

GI	none	Score	.69
Exons	279..375, 406..624, 2457..2854, 2956..3065, 3904..3976, 4258..4371, 4391..4480		

Seq. No.	2593	Seq. ID	OJ990823_01.9C20.C7
Gene No.	5359	Strand	+
Start	279	End	5071
Name	OJ990823_01.9C20.C7.o1.np	Method	AAT/NAP
Start	2714	End	5071
GI	6403489	Score	313
Exons	2714..2854, 2956..3065, 3904..3976, 4071..4132, 4230..4385, 5047..5071		
GI Descrip.	(AC010871) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2594	Seq. ID	OJ990823_01.9C20.C8
Gene No.	5360	Strand	+
Start	497	End	1715
Name	OJ990823_01.9C20.C8.o1.np	Method	AAT/NAP
Start	497	End	1715
GI	6403489	Score	464
Exons	497..894, 1531..1715		
GI Descrip.	(AC010871) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2594	Seq. ID	OJ990823_01.9C20.C8
Gene No.	5360	Strand	+
Start	497	End	1715
Name	OJ990823_01.9C20.C8.o1.tm	Method	TBLASTX:Maize
Start	605	End	762
GI	none	Score	195
Exons	605..757, 605..748, 606..752, 607..762		

Seq. No.	2594	Seq. ID	OJ990823_01.9C20.C8
Gene No.	5360	Strand	+
Start	497	End	1715
Name	OJ990823_01.9C20.C8.o1.ts	Method	TBLASTX:Soybean
Start	1519	End	1699
GI	none	Score	188
Exons	1519..1668, 1529..1699		

Seq. No.	2595	Seq. ID	OJ990823_01.9C20.C9
Gene No.	5361	Strand	+
Start	4808	End	5323
Name	OJ990823_01.9C20.C9.o2.gs	Method	GENSCAN
Start	4808	End	5323
GI	none	Score	.6
Exons	4808..4947, 5191..5323		

Seq. No.	2595	Seq. ID	OJ990823_01.9C20.C9
Gene No.	5362	Strand	-
Start	1	End	1703
Name	OJ990823_01.9C20.C9.o1.np	Method	AAT/NAP
Start	1	End	1644
GI	2446998	Score	1221
Exons	1..180, 282..467, 569..661, 740..806, 912..1001, 1112..1361, 1401..1644		
GI Descrip.	(D63954) fatty acid desaturase [Zea mays]		

Seq. No.	2595	Seq. ID	OJ990823_01.9C20.C9
Gene No.	5362	Strand	-
Start	1	End	1703
Name	OJ990823_01.9C20.C9.o1.gs	Method	GENSCAN
Start	282	End	1644
GI	none	Score	.99
Exons	282..467, 740..806, 912..1001, 1112..1644		

Seq. No.	2595	Seq. ID	OJ990823_01.9C20.C9
Gene No.	5362	Strand	-
Start	1	End	1703
Name	OJ990823_01.9C20.C9.o1.gp	Method	AAT/GAP
Start	1429	End	1703
GI	uC-osflm202107g06b1	Score	523
Exons	1429..1703		
GI Descrip.	'2446995/dbj|D63953|D63953 3.0e-16 Zea mays FAD8 mRNA for fatty acid desaturase, partial cds'		

Seq. No.	2595	Seq. ID	OJ990823_01.9C20.C9
Gene No.	5363	Strand	-
Start	6306	End	6504
Name	OJ990823_01.9C20.C9.o3.gs	Method	GENSCAN
Start	6306	End	6504
GI	none	Score	.48
Exons	6306..6360, 6396..6504		

Seq. No.	2595	Seq. ID	OJ990823_01.9C20.C9
Gene No.	5364	Strand	-
Start	6646	End	7900
Name	OJ990823_01.9C20.C9.o1.tc	Method	TBLASTX:Cress
Start	125	End	1308
GI	none	Score	76
Exons	125..181, 127..180, 279..458, 285..494, 301..462, 323..472, 569..661, 737..805, 741..806, 911..1000, 912..1001, 1114..1296, 1114..1308		

Seq. No.	2595	Seq. ID	OJ990823_01.9C20.C9
Gene No.	5364	Strand	-
Start	6646	End	7900
Name	OJ990823_01.9C20.C9.o1.ts	Method	TBLASTX:Soybean
Start	125	End	1308
GI	none	Score	94
Exons	125..181, 127..180, 279..461, 279..494, 283..462, 564..656, 569..661, 737..805, 741..806, 911..1000, 915..1001, 955..1017, 1112..1177, 1114..1308, 1114..1308		

Seq. No.	2595	Seq. ID	OJ990823_01.9C20.C9
Gene No.	5364	Strand	-
Start	6646	End	7900
Name	OJ990823_01.9C20.C9.o1.tw	Method	TBLASTX:Wheat
Start	125	End	395
GI	none	Score	78
Exons	125..181, 127..180, 134..193, 279..389, 279..395, 283..390		

Seq. No.	2595	Seq. ID	OJ990823_01.9C20.C9
Gene No.	5364	Strand	-
Start	6646	End	7900

Name	OJ990823_01.9C20.C9.o1.tm	Method	TBLASTX:Maize
Start	125	End	1002
GI	none	Score	83
Exons	125..178, 127..180, 130..180, 279..467, 279..494, 280..495, 569..661, 570..662, 571..663, 737..805, 738..806, 739..807, 740..814, 911..1000, 912..1001, 915..1001, 916..1002		

Seq. No.	2595	Seq. ID	OJ990823_01.9C20.C9
Gene No.	5364	Strand	-
Start	6646	End	7900
Name	OJ990823_01.9C20.C9.o2.gp	Method	AAT/GAP
Start	6646	End	7376
GI	uC-osf1cyp156a09b1	Score	980
Exons	6646..7008, 7111..7173, 7268..7376		
GI Descrip.	'2326760/emb|Y14434|MTTANAD2X 0.0e+00 Triticum aestivum mitochondrial nad2 gene exons 3, 4 and 5, and trnY gene'		

Seq. No.	2595	Seq. ID	OJ990823_01.9C20.C9
Gene No.	5364	Strand	-
Start	6646	End	7900
Name	OJ990823_01.9C20.C9.o2.tm	Method	TBLASTX:Maize
Start	6891	End	7900
GI	none	Score	82
Exons	6891..7010, 6902..7009, 6907..7011, 6907..7011, 7114..7173, 7263..7379, 7268..7399, 7508..7555, 7518..7550, 7620..7778, 7871..7900		

Seq. No.	2596	Seq. ID	OJ990823_01.9C20.C10
Gene No.	5365	Strand	-
Start	1	End	545
Name	OJ990823_01.9C20.C10.o1.gp	Method	AAT/GAP
Start	1	End	222
GI	3760383	Score	444
Exons	1..222		

Seq. No.	2596	Seq. ID	OJ990823_01.9C20.C10
Gene No.	5365	Strand	-
Start	1	End	545
Name	OJ990823_01.9C20.C10.o1.np	Method	AAT/NAP
Start	1	End	545
GI	1657619	Score	190
Exons	1..60, 89..190, 286..358, 427..545		
GI Descrip.	(U72504) G5p [Arabidopsis thaliana] gi|3068710|gb|AAC14410.1| (AF049236) putative transmembrane protein G5p [Arabidopsis thaliana]		

Seq. No.	2596	Seq. ID	OJ990823_01.9C20.C10
Gene No.	5365	Strand	-
Start	1	End	545
Name	OJ990823_01.9C20.C10.o1.tm	Method	TBLASTX:Maize
Start	60	End	359
GI	none	Score	133
Exons	60..188, 84..188, 95..193, 97..192, 104..196, 268..339, 285..359, 289..357		

Seq. No.	2596	Seq. ID	OJ990823_01.9C20.C10
Gene No.	5365	Strand	-

Start	1	End	545
Name	OJ990823_01.9C20.C10.o1.tc	Method	TBLASTX:Cress
Start	95	End	539
GI	none	Score	104
Exons	95..193, 97..192, 285..362, 289..363, 477..539, 488..538		

Seq. No.	2597	Seq. ID	OJ990823_01.9C20.C11
Gene No.	5366	Strand	-
Start	1	End	1243
Name	OJ990823_01.9C20.C11.o1.np	Method	AAT/NAP
Start	1	End	1243
GI	1351989	Score	413
Exons	1..191, 277..363, 492..572, 673..813, 929..1243		
GI Descrip.	ASPARAGINE SYNTHETASE [GLUTAMINE-HYDROLYZING] (GLUTAMINE-DEPENDENT ASPARAGINE SYNTHETASE) gi|984262|emb|CAA58052| (X82849) asparragine synthetase [Zea mays]		

Seq. No.	2597	Seq. ID	OJ990823_01.9C20.C11
Gene No.	5366	Strand	-
Start	1	End	1243
Name	OJ990823_01.9C20.C11.o1.tm	Method	TBLASTX:Maize
Start	80	End	1151
GI	none	Score	127
Exons	80..193, 84..194, 274..303, 275..304, 492..572, 492..572, 496..654, 667..717, 673..717, 674..718, 921..974, 922..975, 926..976, 1064..1150, 1065..1151, 1065..1151		

Seq. No.	2597	Seq. ID	OJ990823_01.9C20.C11
Gene No.	5366	Strand	-
Start	1	End	1243
Name	OJ990823_01.9C20.C11.o1.gp	Method	AAT/GAP
Start	84	End	197
GI	21403_1.R1084	Score	169
Exons	84..197		
GI Descrip.	'1351989/sp|P49094|ASNS_MAIZE 3.0e-30 ASPARAGINE SYNTHETASE [GLUTAMINE-HYDROLYZING] (GLUTAMINE-DEPENDENT ASPARAGINE SYNTHETASE) >gi_984262_emb_CAA58052_ (X82849) asparragine synthetase [Zea mays]'		

Seq. No.	2597	Seq. ID	OJ990823_01.9C20.C11
Gene No.	5366	Strand	-
Start	1	End	1243
Name	OJ990823_01.9C20.C11.o1.gs	Method	GENSCAN
Start	84	End	699
GI	none	Score	.88
Exons	84..191, 492..572, 673..699		

Seq. No.	2597	Seq. ID	OJ990823_01.9C20.C11
Gene No.	5366	Strand	-
Start	1	End	1243
Name	OJ990823_01.9C20.C11.o1.tc	Method	TBLASTX:Cress
Start	84	End	1154
GI	none	Score	59
Exons	84..191, 88..192, 492..563, 493..678, 670..717, 677..718, 926..970, 1064..1150, 1065..1154		

Seq. No.	2597	Seq. ID	OJ990823_01.9C20.C11
Gene No.	5366	Strand	-
Start	1	End	1243
Name	OJ990823_01.9C20.C11.o1.ts	Method	TBLASTX:Soybean
Start	84	End	1151
GI	none	Score	77
Exons	84..191, 88..192, 492..566, 492..563, 496..594, 669..719, 670..714, 926..970, 930..971, 1064..1150, 1065..1151		

Seq. No.	2597	Seq. ID	OJ990823_01.9C20.C11
Gene No.	5366	Strand	-
Start	1	End	1243
Name	OJ990823_01.9C20.C11.o3.gp	Method	AAT/GAP
Start	1064	End	1152
GI	uC-osroM202013b06b1	Score	144
Exons	1064..1152		
GI Descrip.	'6049841/gb|AAF02775.1|AF190728_1 9.0e-66 (AF190728) asparagine synthetase [Helianthus annuus]'		

Seq. No.	2598	Seq. ID	OJ990823_01.9C20.C12
Gene No.	5367	Strand	-
Start	1	End	434
Name	OJ990823_01.9C20.C12.o1.np	Method	AAT/NAP
Start	1	End	434
GI	6403503	Score	194
Exons	1..135, 227..434		
GI Descrip.	(AC010871) putative DnaJ protein [Arabidopsis thaliana]		

Seq. No.	2598	Seq. ID	OJ990823_01.9C20.C12
Gene No.	5367	Strand	-
Start	1	End	434
Name	OJ990823_01.9C20.C12.o1.gs	Method	GENSCAN
Start	227	End	304
GI	none	Score	.99
Exons	227..304		

Seq. No.	2599	Seq. ID	OJ990823_01.9C20.C13
Gene No.	5368	Strand	+
Start	61	End	577
Name	OJ990823_01.9C20.C13.o1.gs	Method	GENSCAN
Start	61	End	577
GI	none	Score	.88
Exons	61..162, 209..577		

Seq. No.	2600	Seq. ID	OJ990823_01.9C20.C14
Gene No.	5369	Strand	+
Start	1431	End	6696
Name	OJ990823_01.9C20.C14.o1.gs	Method	GENSCAN
Start	1431	End	6696
GI	none	Score	.64
Exons	1431..1532, 1844..1893, 2051..2283, 2380..2477, 2628..2753, 4270..4459, 5573..5702, 5760..5819, 5972..6077, 6502..6696		

Seq. No.	2600	Seq. ID	OJ990823_01.9C20.C14
Gene No.	5369	Strand	+
Start	1431	End	6696
Name	OJ990823_01.9C20.C14.o1.np	Method	AAT/NAP

Start	2129	End	4538
GI	2058282	Score	541
Exons	2129..2283, 2380..2532, 2628..2753, 4270..4538		
GI Descrip.	(X97377) atranbp1a [Arabidopsis thaliana]		

Seq. No.	2600	Seq. ID	OJ990823_01.9C20.C14
Gene No.	5369	Strand	+
Start	1431	End	6696
Name	OJ990823_01.9C20.C14.o2.gp	Method	AAT/GAP
Start	2430	End	4461
GI	21255_1.R1084	Score	756
Exons	2430..2532, 2628..2753, 4270..4461		
GI Descrip.	'2058284/emb|CAA66046| 9.0e-36 (X97378) atranbp1b [Arabidopsis thaliana]'		

Seq. No.	2600	Seq. ID	OJ990823_01.9C20.C14
Gene No.	5370	Strand	-
Start	351	End	678
Name	OJ990823_01.9C20.C14.o1.gp	Method	AAT/GAP
Start	351	End	678
GI	none	Score	605
Exons	351..678		

Seq. No.	2600	Seq. ID	OJ990823_01.9C20.C14
Gene No.	5371	Strand	
Start	2198	End	4758
Name	OJ990823_01.9C20.C14.o1.tc	Method	TBLASTX:Cress
Start	2198	End	2755
GI	none	Score	119
Exons	2198..2284, 2396..2530, 2397..2531, 2397..2531, 2414..2536, 2627..2755, 2627..2752		

Seq. No.	2600	Seq. ID	OJ990823_01.9C20.C14
Gene No.	5371	Strand	
Start	2198	End	4758
Name	OJ990823_01.9C20.C14.o1.ts	Method	TBLASTX:Soybean
Start	2198	End	2688
GI	none	Score	118
Exons	2198..2284, 2396..2530, 2397..2531, 2400..2531, 2627..2686, 2635..2688		

Seq. No.	2600	Seq. ID	OJ990823_01.9C20.C14
Gene No.	5371	Strand	
Start	2198	End	4758
Name	OJ990823_01.9C20.C14.o1.tw	Method	TBLASTX:Wheat
Start	2198	End	2677
GI	none	Score	130
Exons	2198..2284, 2206..2289, 2375..2533, 2396..2530, 2397..2573, 2397..2546, 2401..2571, 2626..2676, 2636..2677		

Seq. No.	2600	Seq. ID	OJ990823_01.9C20.C14
Gene No.	5371	Strand	
Start	2198	End	4758
Name	OJ990823_01.9C20.C14.o1.tm	Method	TBLASTX:Maize
Start	2198	End	4758
GI	none	Score	128
Exons	2198..2284, 2206..2289, 2396..2533, 2396..2530, 2397..2600,		

2400..2531, 2626..2751, 2627..2755, 4261..4350, 4262..4351, 4366..4464, 4367..4465, 4564..4620, 4565..4618, 4566..4619, 4628..4675, 4696..4758, 4698..4751, 4702..4752

Seq. No.	2601	Seq. ID	OJ990823_01.9C20.C15
Gene No.	5372	Strand	+
Start	10643	End	11133
Name	OJ990823_01.9C20.C15.o1.gp	Method	AAT/GAP
Start	10643	End	11133
GI	none	Score	959
Exons	10643..11133		

Seq. No.	2601	Seq. ID	OJ990823_01.9C20.C15
Gene No.	5373	Strand	+
Start	19480	End	20234
Name	OJ990823_01.9C20.C15.o2.gp	Method	AAT/GAP
Start	19480	End	20234
GI	55634_1.R1084	Score	1413
Exons	19480..20234		
GI Descrip.	'4587992/gb|AAD25933.1|AF085279_6 1.0e-23 (AF085279) protein phosphatase 2C [Arabidopsis thaliana]'		

Seq. No.	2601	Seq. ID	OJ990823_01.9C20.C15
Gene No.	5374	Strand	+
Start	25634	End	28699
Name	OJ990823_01.9C20.C15.o4.gs	Method	GENSCAN
Start	25634	End	28699
GI	none	Score	.41
Exons	25634..25713, 26049..26190, 26394..26451, 28011..28425, 28624..28699		

Seq. No.	2601	Seq. ID	OJ990823_01.9C20.C15
Gene No.	5375	Strand	-
Start	1	End	11264
Name	OJ990823_01.9C20.C15.o1.np	Method	AAT/NAP
Start	1	End	498
GI	3420047	Score	204
Exons	1..498		
GI Descrip.	(AC004680) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	2601	Seq. ID	OJ990823_01.9C20.C15
Gene No.	5375	Strand	-
Start	1	End	11264
Name	OJ990823_01.9C20.C15.o1.gs	Method	GENSCAN
Start	30	End	11264
GI	none	Score	.45
Exons	30..424, 2691..2762, 2787..2874, 3123..3384, 4291..4397, 4665..4806, 5216..5366, 5993..6106, 6138..6276, 9153..9331, 9467..9652, 10076..10218, 10313..10366, 10917..11264		

Seq. No.	2601	Seq. ID	OJ990823_01.9C20.C15
Gene No.	5376	Strand	-
Start	11195	End	13135
Name	OJ990823_01.9C20.C15.o3.np	Method	AAT/NAP
Start	11195	End	13135
GI	1785635	Score	201
Exons	11195..11354, 12647..13135		

GI Descrip. (X96924) mitochondrial citrate transport protein [Homo sapiens]

Seq. No.	2601	Seq. ID	OJ990823_01.9C20.C15
Gene No.	5377	Strand	-
Start	19946	End	21059
Name	OJ990823_01.9C20.C15.o4.np	Method	AAT/NAP
Start	19946	End	21059
GI	6478146	Score	1139
Exons	19946..20290, 20450..20797, 20937..21059		
GI Descrip.	(AJ242803) putative serine/threonine phosphatase type 2c [Sporobolus stapfianus]		

Seq. No.	2601	Seq. ID	OJ990823_01.9C20.C15
Gene No.	5378	Strand	-
Start	21089	End	31061
Name	OJ990823_01.9C20.C15.o4.tm	Method	TBLASTX:Maize
Start	10701	End	11022
GI	none	Score	193
Exons	10701..10751, 10854..11021, 10855..11022, 10872..11021, 10873..11022		

Seq. No.	2601	Seq. ID	OJ990823_01.9C20.C15
Gene No.	5378	Strand	-
Start	21089	End	31061
Name	OJ990823_01.9C20.C15.o1.ts	Method	TBLASTX:Soybean
Start	10932	End	13048
GI	none	Score	416
Exons	10932..11054, 10971..11048, 11058..11402, 11070..11117, 11074..11403, 11079..11171, 11271..11348, 12689..13048, 12690..13004, 12857..12934		

Seq. No.	2601	Seq. ID	OJ990823_01.9C20.C15
Gene No.	5378	Strand	-
Start	21089	End	31061
Name	OJ990823_01.9C20.C15.o2.tm	Method	TBLASTX:Maize
Start	11023	End	11307
GI	none	Score	427
Exons	11023..11307, 11037..11306, 11059..11307		

Seq. No.	2601	Seq. ID	OJ990823_01.9C20.C15
Gene No.	5378	Strand	-
Start	21089	End	31061
Name	OJ990823_01.9C20.C15.o3.tm	Method	TBLASTX:Maize
Start	12875	End	13066
GI	none	Score	174
Exons	12875..13066, 12876..13004, 12953..13051		

Seq. No.	2601	Seq. ID	OJ990823_01.9C20.C15
Gene No.	5378	Strand	-
Start	21089	End	31061
Name	OJ990823_01.9C20.C15.o1.tm	Method	TBLASTX:Maize
Start	19950	End	21062
GI	none	Score	353
Exons	19950..20291, 19951..20292, 19952..20290, 20415..20534, 20449..20553, 20449..20550, 20450..20674, 20450..20689, 20514..20684, 20685..20798, 20687..20797, 20728..20799, 20936..20980, 20937..21005, 20938..21006, 21009..21059,		

21030..21062

Seq. No.	2601	Seq. ID	OJ990823_01.9C20.C15
Gene No.	5378	Strand	-
Start	21089	End	31061
Name	OJ990823_01.9C20.C15.o3.ts	Method	TBLASTX:Soybean
Start	19955	End	20291
GI	none	Score	53
Exons	19955..20065, 19959..20039, 20051..20290, 20054..20260, 20109..20291		

Seq. No.	2601	Seq. ID	OJ990823_01.9C20.C15
Gene No.	5378	Strand	-
Start	21089	End	31061
Name	OJ990823_01.9C20.C15.o1.tc	Method	TBLASTX:Cress
Start	19970	End	20281
GI	none	Score	56
Exons	19970..20113, 19976..20119, 20103..20237, 20105..20260, 20204..20281		

Seq. No.	2601	Seq. ID	OJ990823_01.9C20.C15
Gene No.	5378	Strand	-
Start	21089	End	31061
Name	OJ990823_01.9C20.C15.o2.ts	Method	TBLASTX:Soybean
Start	20414	End	21420
GI	none	Score	83
Exons	20414..20587, 20444..20689, 20445..20675, 20708..20797, 20742..20798, 21325..21420		

Seq. No.	2601	Seq. ID	OJ990823_01.9C20.C15
Gene No.	5378	Strand	-
Start	21089	End	31061
Name	OJ990823_01.9C20.C15.o2.tc	Method	TBLASTX:Cress
Start	20426	End	20782
GI	none	Score	43
Exons	20426..20626, 20437..20511, 20459..20596, 20514..20612, 20561..20689, 20708..20782		

Seq. No.	2601	Seq. ID	OJ990823_01.9C20.C15
Gene No.	5378	Strand	-
Start	21089	End	31061
Name	OJ990823_01.9C20.C15.o5.np	Method	AAT/NAP
Start	21089	End	31061
GI	130999	Score	147
Exons	21089..21383, 22438..22540, 26191..26389, 30992..31061		
GI Descrip.	PROLINE-RICH PROTEIN MP-2 PRECURSOR gi|200547 (M12099) proline-rich protein [Mus musculus]		

Seq. No.	2601	Seq. ID	OJ990823_01.9C20.C15
Gene No.	5378	Strand	-
Start	21089	End	31061
Name	OJ990823_01.9C20.C15.o3.gs	Method	GENSCAN
Start	22361	End	22732
GI	none	Score	.56
Exons	22361..22732		

Seq. No.	2601	Seq. ID	OJ990823_01.9C20.C15

Gene No.	5378	Strand	-
Start	21089	End	31061
Name	OJ990823_01.9C20.C15.o5.gs	Method	GENSCAN
Start	30345	End	30553
GI	none	Score	.41
Exons	30345..30553		

Seq. No.	2602	Seq. ID	OJ990823_01.9C20.C16
Gene No.	5379	Strand	-
Start	596	End	4545
Name	OJ990823_01.9C20.C16.o1.gs	Method	GENSCAN
Start	596	End	4545
GI	none	Score	.95
Exons	596..962, 2345..2503, 2612..3133, 3776..4545		

Seq. No.	2602	Seq. ID	OJ990823_01.9C20.C16
Gene No.	5379	Strand	-
Start	596	End	4545
Name	OJ990823_01.9C20.C16.o1.np	Method	AAT/NAP
Start	614	End	4470
GI	6598934	Score	1158
Exons	614..962, 2345..2503, 2612..2838, 2941..3085, 3776..3993, 4363..4470		
GI Descrip.	(AC018721) unknown protein [Arabidopsis thaliana]		

Seq. No.	2602	Seq. ID	OJ990823_01.9C20.C16
Gene No.	5379	Strand	-
Start	596	End	4545
Name	OJ990823_01.9C20.C16.o1.gp	Method	AAT/GAP
Start	2405	End	3038
GI	74951_1.R1084	Score	798
Exons	2405..2503, 2612..2811, 2905..3038		
GI Descrip.	'4586049/gb|AAD25667.1|AC007020_9 5.0e-26 (AC007020) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	2602	Seq. ID	OJ990823_01.9C20.C16
Gene No.	5380	Strand	-
Start	5403	End	7405
Name	OJ990823_01.9C20.C16.o2.tm	Method	TBLASTX:Maize
Start	614	End	959
GI	none	Score	266
Exons	614..958, 615..821, 752..847, 840..959		

Seq. No.	2602	Seq. ID	OJ990823_01.9C20.C16
Gene No.	5380	Strand	-
Start	5403	End	7405
Name	OJ990823_01.9C20.C16.o1.ts	Method	TBLASTX:Soybean
Start	620	End	2662
GI	none	Score	204
Exons	620..823, 621..821, 824..964, 867..938, 2350..2502, 2357..2500, 2611..2661, 2612..2662		

Seq. No.	2602	Seq. ID	OJ990823_01.9C20.C16
Gene No.	5380	Strand	-
Start	5403	End	7405
Name	OJ990823_01.9C20.C16.o2.tc	Method	TBLASTX:Cress
Start	638	End	823

GI	none	Score	134
Exons	638..823, 642..821		

Seq. No.	2602	Seq. ID	OJ990823_01.9C20.C16
Gene No.	5380	Strand	-
Start	5403	End	7405
Name	OJ990823_01.9C20.C16.o1.tm	Method	TBLASTX:Maize
Start	2340	End	3972
GI	none	Score	174
Exons	2340..2405, 2345..2473, 2345..2428, 2350..2478, 2611..2811, 2615..2815, 2908..3087, 2930..3088, 3728..3970, 3770..3943, 3772..3972		

Seq. No.	2602	Seq. ID	OJ990823_01.9C20.C16
Gene No.	5380	Strand	-
Start	5403	End	7405
Name	OJ990823_01.9C20.C16.o1.tc	Method	TBLASTX:Cress
Start	2356	End	2803
GI	none	Score	38
Exons	2356..2376, 2374..2508, 2393..2506, 2596..2802, 2603..2803		

Seq. No.	2602	Seq. ID	OJ990823_01.9C20.C16
Gene No.	5380	Strand	-
Start	5403	End	7405
Name	OJ990823_01.9C20.C16.o1.tw	Method	TBLASTX:Wheat
Start	2617	End	3819
GI	none	Score	173
Exons	2617..2817, 2618..2812, 2757..2828, 2944..3087, 2945..3088, 3772..3819, 3779..3817		

Seq. No.	2602	Seq. ID	OJ990823_01.9C20.C16
Gene No.	5380	Strand	-
Start	5403	End	7405
Name	OJ990823_01.9C20.C16.o2.ts	Method	TBLASTX:Soybean
Start	2968	End	3942
GI	none	Score	65
Exons	2968..3030, 2969..3031, 3772..3942		

Seq. No.	2602	Seq. ID	OJ990823_01.9C20.C16
Gene No.	5380	Strand	-
Start	5403	End	7405
Name	OJ990823_01.9C20.C16.o2.gs	Method	GENSCAN
Start	5403	End	7405
GI	none	Score	.76
Exons	5403..5509, 5511..5643, 7236..7405		

Seq. No.	2603	Seq. ID	OJ990823_01.9C20.C17
Gene No.	5381	Strand	+
Start	119	End	2563
Name	OJ990823_01.9C20.C17.o1.gs	Method	GENSCAN
Start	119	End	2563
GI	none	Score	.81
Exons	119..271, 987..1146, 1563..1774, 2450..2563		

Seq. No.	2603	Seq. ID	OJ990823_01.9C20.C17
Gene No.	5382	Strand	-
Start	3039	End	4227

Name	OJ990823_01.9C20.C17.o2.gs	Method	GENSCAN
Start	3039	End	4227
GI	none	Score	.84
Exons	3039..3181, 3336..3443, 4200..4227		

Seq. No.	2604	Seq. ID	OJ990823_01.9C20.C19
Gene No.	5383	Strand	+
Start	940	End	3311
Name	OJ990823_01.9C20.C19.o1.gs	Method	GENSCAN
Start	940	End	3311
GI	none	Score	.5
Exons	940..984, 1102..1264, 2935..3311		

Seq. No.	2604	Seq. ID	OJ990823_01.9C20.C19
Gene No.	5383	Strand	+
Start	940	End	3311
Name	OJ990823_01.9C20.C19.o1.np	Method	AAT/NAP
Start	968	End	1167
GI	769712	Score	141
Exons	968..1167		
GI Descrip.	(D32052) ORF72 [Oryza sativa]		

Seq. No.	2604	Seq. ID	OJ990823_01.9C20.C19
Gene No.	5383	Strand	+
Start	940	End	3311
Name	OJ990823_01.9C20.C19.o1.gp	Method	AAT/GAP
Start	1073	End	1146
GI	2310739	Score	98
Exons	1073..1146		
GI Descrip.	2326760/emb|Y14434|MTTANAD2X 0.0e+00 Triticum aestivum mitochondrial nad2 gene exons 3, 4 and 5, and trnY gene		

Seq. No.	2604	Seq. ID	OJ990823_01.9C20.C19
Gene No.	5383	Strand	+
Start	940	End	3311
Name	OJ990823_01.9C20.C19.o3.gp	Method	AAT/GAP
Start	1404	End	1488
GI	287004	Score	135
Exons	1404..1488		
GI Descrip.	19560/emb|Z11889|MITTARRNG 1.0e-167 T.aestivum mitochondrion rrn26 gene for rRNA large subunit (26S)		

Seq. No.	2604	Seq. ID	OJ990823_01.9C20.C19
Gene No.	5384	Strand	-
Start	1	End	1337
Name	OJ990823_01.9C20.C19.o2.np	Method	AAT/NAP
Start	1	End	1337
GI	3560736	Score	141
Exons	1..21, 179..254, 1221..1337		
GI Descrip.	(AF074177) ribulose-1,5-bisphosphate carboxylase/oxygenase [Habenaria repens]		

Seq. No.	2604	Seq. ID	OJ990823_01.9C20.C19
Gene No.	5384	Strand	-
Start	1	End	1337
Name	OJ990823_01.9C20.C19.o2.gp	Method	AAT/GAP
Start	1220	End	1335

GI	24824_1.R1084	Score	167
Exons	1220..1335		
GI Descrip.	'476752 5.0e-87 (L24073) rubisco large subunit [Oryza sativa] >gi_1583954_prf__2121489A RuBisCO:SUBUNIT=large:ISOTYPE=truncated [Oryza sativa]'		

Seq. No.	2604	Seq. ID	OJ990823_01.9C20.C19
Gene No.	5385	Strand	-
Start	4335	End	5713
Name	OJ990823_01.9C20.C19.o2.tw	Method	TBLASTX:Wheat
Start	1198	End	1335
GI	none	Score	204
Exons	1198..1335, 1226..1309, 1227..1334		

Seq. No.	2604	Seq. ID	OJ990823_01.9C20.C19
Gene No.	5385	Strand	-
Start	4335	End	5713
Name	OJ990823_01.9C20.C19.o1.tm	Method	TBLASTX:Maize
Start	1225	End	1335
GI	none	Score	193
Exons	1225..1335, 1226..1309, 1227..1334		

Seq. No.	2604	Seq. ID	OJ990823_01.9C20.C19
Gene No.	5385	Strand	-
Start	4335	End	5713
Name	OJ990823_01.9C20.C19.o1.tw	Method	TBLASTX:Wheat
Start	1403	End	1573
GI	none	Score	264
Exons	1403..1573, 1404..1562, 1516..1566		

Seq. No.	2604	Seq. ID	OJ990823_01.9C20.C19
Gene No.	5385	Strand	-
Start	4335	End	5713
Name	OJ990823_01.9C20.C19.o2.gs	Method	GENSCAN
Start	4335	End	5713
GI	none	Score	.9
Exons	4335..4543, 4561..4751, 5598..5713		

Seq. No.	2605	Seq. ID	OJ990823_01.9C20.C21
Gene No.	5386	Strand	+
Start	1552	End	8659
Name	OJ990823_01.9C20.C21.o1.gs	Method	GENSCAN
Start	1552	End	8659
GI	none	Score	.66
Exons	1552..1571, 3708..3906, 4828..5024, 5573..5711, 5748..5930, 6048..6189, 6338..6528, 6653..6814, 6922..7002, 7239..7289, 7811..7891, 8151..8258, 8372..8659		

Seq. No.	2605	Seq. ID	OJ990823_01.9C20.C21
Gene No.	5386	Strand	+
Start	1552	End	8659
Name	OJ990823_01.9C20.C21.o1.gp	Method	AAT/GAP
Start	4901	End	6212
GI	30956_1.R1084	Score	977
Exons	4901..5066, 5573..5711, 5832..5930, 6048..6212		
GI Descrip.	'6049841/gb|AAF02775.1|AF190728_1 4.0e-61 (AF190728) asparagine synthetase [Helianthus annuus]'		

Seq. No.	2605	Seq. ID	OJ990823_01.9C20.C21
Gene No.	5386	Strand	+
Start	1552	End	8659
Name	OJ990823_01.9C20.C21.o1.np	Method	AAT/NAP
Start	4987	End	8602
GI	1351989	Score	1577
Exons	4987..5066, 5573..5711, 5832..5930, 6048..6189, 6338..6528, 6653..6814, 6922..7002, 7239..7460, 7576..7710, 7811..7891, 7979..8065, 8151..8258, 8372..8602		
GI Descrip.	ASPARAGINE SYNTHETASE [GLUTAMINE-HYDROLYZING] (GLUTAMINE-DEPENDENT ASPARAGINE SYNTHETASE) gi|984262|emb|CAA58052| (X82849) asparragine synthetase [Zea mays]		

Seq. No.	2605	Seq. ID	OJ990823_01.9C20.C21
Gene No.	5386	Strand	+
Start	1552	End	8659
Name	OJ990823_01.9C20.C21.o2.gp	Method	AAT/GAP
Start	6360	End	7325
GI	uC-osroM202013b06b1	Score	897
Exons	6360..6528, 6653..6814, 6922..7002, 7239..7325		
GI Descrip.	'6049841/gb|AAF02775.1|AF190728_1 9.0e-66 (AF190728) asparagine synthetase [Helianthus annuus]'		

Seq. No.	2605	Seq. ID	OJ990823_01.9C20.C21
Gene No.	5386	Strand	+
Start	1552	End	8659
Name	OJ990823_01.9C20.C21.o4.gp	Method	AAT/GAP
Start	8145	End	8613
GI	21403_1.R1084	Score	515
Exons	8145..8258, 8372..8613		
GI Descrip.	'1351989/sp|P49094|ASNS_MAIZE 3.0e-30 ASPARAGINE SYNTHETASE [GLUTAMINE-HYDROLYZING] (GLUTAMINE-DEPENDENT ASPARAGINE SYNTHETASE) >gi_984262_emb_CAA58052_ (X82849) asparragine synthetase [Zea mays]'		

Seq. No.	2605	Seq. ID	OJ990823_01.9C20.C21
Gene No.	5387	Strand	-
Start	8511	End	8906
Name	OJ990823_01.9C20.C21.o1.ts	Method	TBLASTX:Soybean
Start	4890	End	6176
GI	none	Score	95
Exons	4890..5066, 4981..5085, 5567..5725, 5571..5714, 5835..5882, 5868..5930, 5891..5920, 6048..6176, 6048..6113, 6092..6175		

Seq. No.	2605	Seq. ID	OJ990823_01.9C20.C21
Gene No.	5387	Strand	-
Start	8511	End	8906
Name	OJ990823_01.9C20.C21.o1.tm	Method	TBLASTX:Maize
Start	4956	End	8485
GI	none	Score	78
Exons	4956..5060, 4983..5066, 4987..5085, 4987..5124, 4988..5098, 5526..5711, 5570..5728, 5571..5711, 5576..5716, 5821..5859, 5831..5926, 5832..5930, 5892..5930, 6048..6194, 6048..6119, 6092..6190, 6336..6410, 6336..6455, 6337..6453, 6456..6527, 6457..6528, 6486..6530, 6650..6814, 6652..6846, 6739..6819,		

6919..7002, 6921..7016, 6921..6998, 7238..7324, 7239..7325,
7416..7463, 7417..7476, 7417..7467, 7665..7709, 7665..7709,
7666..7710, 7666..7716, 7729..7887, 7811..7891, 7811..7891,
8038..8067, 8039..8068, 8148..8258, 8148..8258, 8149..8262,
8357..8485, 8371..8484

Seq. No.	2605	Seq. ID	OJ990823_01.9C20.C21
Gene No.	5387	Strand	-
Start	8511	End	8906
Name	OJ990823_01.9C20.C21.o1.tc	Method	TBLASTX:Cress
Start	4984	End	8481
GI	none	Score	96
Exons	4984..5085, 5567..5725, 5571..5714, 5820..5882, 5836..5859, 5859..5930, 5891..5920, 6048..6194, 6048..6119, 6092..6190, 6336..6527, 6337..6528, 6650..6814, 6652..6810, 6919..7002, 6921..6998, 7235..7324, 7239..7325, 7419..7463, 7666..7713, 7705..7890, 7820..7891, 8151..8258, 8369..8479, 8377..8481		

Seq. No.	2605	Seq. ID	OJ990823_01.9C20.C21
Gene No.	5387	Strand	-
Start	8511	End	8906
Name	OJ990823_01.9C20.C21.o2.ts	Method	TBLASTX:Soybean
Start	6363	End	8452
GI	none	Score	140
Exons	6363..6491, 6391..6492, 6650..6688, 6788..6814, 6919..6999, 6921..6998, 7238..7324, 7239..7325, 7418..7459, 7419..7463, 7664..7714, 7669..7713, 7789..7887, 7817..7891, 7820..7891, 7973..8068, 8150..8254, 8151..8258, 8357..8452, 8374..8445		

Seq. No.	2605	Seq. ID	OJ990823_01.9C20.C21
Gene No.	5387	Strand	-
Start	8511	End	8906
Name	OJ990823_01.9C20.C21.o6.gp	Method	AAT/GAP
Start	8511	End	8906
GI	38775_1.R1084	Score	650
Exons	8511..8906		
GI Descrip.	'2149018/gb|U70541|OSU70541 1.0e-23 Oryza sativa putative ADP-glucose pyrophosphorylase subunit SH2 and putative NADPH-dependent reductase A1 genes, complete cds'		

Seq. No.	2606	Seq. ID	OJ990823_01.9C20.C22
Gene No.	5388	Strand	-
Start	98	End	3624
Name	OJ990823_01.9C20.C22.o1.gs	Method	GENSCAN
Start	98	End	3624
GI	none	Score	.72
Exons	98..302, 400..599, 693..870, 1260..1345, 1840..1954, 2107..2289, 3010..3349, 3519..3624		

Seq. No.	2606	Seq. ID	OJ990823_01.9C20.C22
Gene No.	5389	Strand	-
Start	10258	End	10745
Name	OJ990823_01.9C20.C22.o3.gs	Method	GENSCAN
Start	10258	End	10745
GI	none	Score	.45
Exons	10258..10445, 10625..10745		

Seq. No.	2606	Seq. ID	OJ990823_01.9C20.C22
Gene No.	5390	Strand	-
Start	11977	End	14695
Name	OJ990823_01.9C20.C22.o2.tc	Method	TBLASTX:Cress
Start	149	End	13050
GI	none	Score	87
Exons	149..289, 396..494, 405..512, 424..498, 540..590, 541..582, 12553..12681, 12889..12996, 13018..13050		

Seq. No.	2606	Seq. ID	OJ990823_01.9C20.C22
Gene No.	5390	Strand	-
Start	11977	End	14695
Name	OJ990823_01.9C20.C22.o2.tm	Method	TBLASTX:Maize
Start	152	End	13065
GI	none	Score	76
Exons	152..277, 177..257, 372..599, 426..494, 427..603, 549..611, 12559..12633, 12559..12681, 12651..12710, 12901..12975, 13018..13065		

Seq. No.	2606	Seq. ID	OJ990823_01.9C20.C22
Gene No.	5390	Strand	-
Start	11977	End	14695
Name	OJ990823_01.9C20.C22.o3.ts	Method	TBLASTX:Soybean
Start	155	End	12654
GI	none	Score	62
Exons	155..289, 177..242, 11990..12055, 12010..12054, 12097..12204, 12553..12654, 12557..12646		

Seq. No.	2606	Seq. ID	OJ990823_01.9C20.C22
Gene No.	5390	Strand	-
Start	11977	End	14695
Name	OJ990823_01.9C20.C22.o2.ts	Method	TBLASTX:Soybean
Start	426	End	13065
GI	none	Score	125
Exons	426..518, 552..599, 12655..12711, 12883..13065, 12911..13060		

Seq. No.	2606	Seq. ID	OJ990823_01.9C20.C22
Gene No.	5390	Strand	-
Start	11977	End	14695
Name	OJ990823_01.9C20.C22.o1.ts	Method	TBLASTX:Soybean
Start	744	End	13581
GI	none	Score	88
Exons	744..872, 745..873, 3009..3128, 13208..13345, 13238..13342, 13242..13346, 13408..13524, 13409..13513, 13546..13581		

Seq. No.	2606	Seq. ID	OJ990823_01.9C20.C22
Gene No.	5390	Strand	-
Start	11977	End	14695
Name	OJ990823_01.9C20.C22.o1.tc	Method	TBLASTX:Cress
Start	747	End	13524
GI	none	Score	65
Exons	747..872, 748..837, 3009..3110, 3144..3179, 13205..13345, 13245..13346, 13253..13360, 13393..13524, 13394..13507		

Seq. No.	2606	Seq. ID	OJ990823_01.9C20.C22
Gene No.	5390	Strand	-
Start	11977	End	14695

Name	OJ990823_01.9C20.C22.o1.tm	Method	TBLASTX:Maize
Start	765	End	13689
GI	none	Score	75
Exons	765..872, 769..837, 3009..3140, 13238..13345, 13242..13346, 13406..13525, 13407..13490, 13408..13593, 13409..13597, 13591..13638, 13592..13639, 13624..13689		

Seq. No.	2606	Seq. ID	OJ990823_01.9C20.C22
Gene No.	5390	Strand	-
Start	11977	End	14695
Name	OJ990823_01.9C20.C22.o4.gs	Method	GENSCAN
Start	11977	End	13734
GI	none	Score	.95
Exons	11977..12322, 12554..12712, 12887..13096, 13173..13343, 13409..13734		

Seq. No.	2606	Seq. ID	OJ990823_01.9C20.C22
Gene No.	5390	Strand	-
Start	11977	End	14695
Name	OJ990823_01.9C20.C22.o1.np	Method	AAT/NAP
Start	11983	End	14695
GI	3420050	Score	796
Exons	11983..12348, 12554..12712, 12887..13065, 13173..13343, 13409..13586, 14537..14695		
GI Descrip.	(AC004680) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2607	Seq. ID	OJ990823_01.9C20.C23
Gene No.	5391	Strand	+
Start	1059	End	2980
Name	OJ990823_01.9C20.C23.o1.gs	Method	GENSCAN
Start	1059	End	2980
GI	none	Score	.56
Exons	1059..1180, 2172..2259, 2286..2550, 2648..2874, 2888..2980		

Seq. No.	2607	Seq. ID	OJ990823_01.9C20.C23
Gene No.	5391	Strand	+
Start	1059	End	2980
Name	OJ990823_01.9C20.C23.o1.np	Method	AAT/NAP
Start	2371	End	2490
GI	5777617	Score	80
Exons	2371..2490		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	2607	Seq. ID	OJ990823_01.9C20.C23
Gene No.	5392	Strand	-
Start	370	End	787
Name	OJ990823_01.9C20.C23.o2.gp	Method	AAT/GAP
Start	370	End	787
GI	2799908	Score	577
Exons	370..470, 505..787		
GI Descrip.	2149018/gb|U70541|OSU70541 1.0e-23 Oryza sativa putative ADP-glucose pyrophosphorylase subunit SH2 and putative NADPH-dependent reductase A1 genes, complete cds		

Seq. No.	2608	Seq. ID	OJ990823_01.9C20.C24
Gene No.	5393	Strand	+
Start	2482	End	5204

Name	OJ990823_01.9C20.C24.o2.gs	Method	GENSCAN
Start	2482	End	3904
GI	none	Score	.92
Exons	2482..2662, 2837..2911, 3771..3904		

Seq. No.	2608	Seq. ID	OJ990823_01.9C20.C24
Gene No.	5393	Strand	+
Start	2482	End	5204
Name	OJ990823_01.9C20.C24.o2.np	Method	AAT/NAP
Start	2517	End	5204
GI	1657619	Score	276
Exons	2517..2659, 2837..2911, 3771..3898, 4016..4107, 4225..4290, 5153..5204		
GI Descrip.	(U72504) G5p [Arabidopsis thaliana] gi|3068710|gb|AAC14410.1| (AF049236) putative transmembrane protein G5p [Arabidopsis thaliana]		

Seq. No.	2608	Seq. ID	OJ990823_01.9C20.C24
Gene No.	5394	Strand	-
Start	83	End	1480
Name	OJ990823_01.9C20.C24.o1.gs	Method	GENSCAN
Start	83	End	1480
GI	none	Score	.8
Exons	83..319, 1433..1480		

Seq. No.	2608	Seq. ID	OJ990823_01.9C20.C24
Gene No.	5394	Strand	-
Start	83	End	1480
Name	OJ990823_01.9C20.C24.o1.np	Method	AAT/NAP
Start	132	End	1440
GI	5777617	Score	73
Exons	132..229, 1419..1440		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	2608	Seq. ID	OJ990823_01.9C20.C24
Gene No.	5395	Strand	
Start	2464	End	2928
Name	OJ990823_01.9C20.C24.o1.tm	Method	TBLASTX:Maize
Start	2464	End	2928
GI	none	Score	209
Exons	2464..2658, 2586..2657, 2835..2915, 2836..2928		

Seq. No.	2608	Seq. ID	OJ990823_01.9C20.C24
Gene No.	5396	Strand	
Start	2836	End	4107
Name	OJ990823_01.9C20.C24.o1.tc	Method	TBLASTX:Cress
Start	2836	End	4107
GI	none	Score	85
Exons	2836..2913, 3763..3891, 3764..3898, 3827..3901, 3998..4105, 4015..4107		

Seq. No.	2609	Seq. ID	OJ990823_01.9C20.C25
Gene No.	5397	Strand	+
Start	215	End	460
Name	OJ990823_01.9C20.C25.o1.gs	Method	GENSCAN
Start	215	End	460
GI	none	Score	.88

Exons	215..268, 386..460		
Seq. No.	2610	Seq. ID	OJ991112_15.0104.C1
Gene No.	5398	Strand	+
Start	172	End	433
Name	OJ991112_15.0104.C1.o1.gs	Method	GENSCAN
Start	172	End	433
GI	none	Score	.58
Exons	172..243, 294..433		
Seq. No.	2611	Seq. ID	OJ991112_15.0104.C2
Gene No.	5399	Strand	-
Start	179	End	653
Name	OJ991112_15.0104.C2.o1.np	Method	AAT/NAP
Start	179	End	653
GI	5852180	Score	164
Exons	179..544, 592..653		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	2612	Seq. ID	OJ991112_15.0104.C7
Gene No.	5400	Strand	+
Start	1	End	909
Name	OJ991112_15.0104.C7.o1.np	Method	AAT/NAP
Start	1	End	906
GI	6630696	Score	1531
Exons	1..906		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		
Seq. No.	2612	Seq. ID	OJ991112_15.0104.C7
Gene No.	5400	Strand	+
Start	1	End	909
Name	OJ991112_15.0104.C7.o2.ts	Method	TBLASTX:Soybean
Start	7	End	273
GI	none	Score	71
Exons	7..99, 99..272, 100..273, 109..273		
Seq. No.	2612	Seq. ID	OJ991112_15.0104.C7
Gene No.	5400	Strand	+
Start	1	End	909
Name	OJ991112_15.0104.C7.o1.gs	Method	GENSCAN
Start	37	End	909
GI	none	Score	.84
Exons	37..909		
Seq. No.	2612	Seq. ID	OJ991112_15.0104.C7
Gene No.	5400	Strand	+
Start	1	End	909
Name	OJ991112_15.0104.C7.o1.tm	Method	TBLASTX:Maize
Start	67	End	439
GI	none	Score	354
Exons	67..438, 90..437, 191..439		
Seq. No.	2612	Seq. ID	OJ991112_15.0104.C7
Gene No.	5400	Strand	+
Start	1	End	909

Name	OJ991112_15.0104.C7.o1.ts	Method	TBLASTX:Soybean
Start	277	End	657
GI	none	Score	120
Exons	277..414, 289..414, 432..563, 433..657		

Seq. No.	2612	Seq. ID	OJ991112_15.0104.C7
Gene No.	5400	Strand	+
Start	1	End	909
Name	OJ991112_15.0104.C7.o1.tw	Method	TBLASTX:Wheat
Start	295	End	770
GI	none	Score	102
Exons	295..369, 296..355, 300..389, 300..368, 384..770, 385..768		

Seq. No.	2613	Seq. ID	OJ991112_15.0104.C8
Gene No.	5401	Strand	+
Start	4559	End	6128
Name	OJ991112_15.0104.C8.o2.gs	Method	GENSCAN
Start	4559	End	6128
GI	none	Score	.48
Exons	4559..4602, 5955..5991, 6102..6128		

Seq. No.	2613	Seq. ID	OJ991112_15.0104.C8
Gene No.	5402	Strand	+
Start	6653	End	8860
Name	OJ991112_15.0104.C8.o3.gs	Method	GENSCAN
Start	6653	End	8860
GI	none	Score	.41
Exons	6653..6794, 7035..7117, 8018..8288, 8802..8860		

Seq. No.	2613	Seq. ID	OJ991112_15.0104.C8
Gene No.	5403	Strand	+
Start	9539	End	9865
Name	OJ991112_15.0104.C8.o4.gs	Method	GENSCAN
Start	9539	End	9865
GI	none	Score	.74
Exons	9539..9865		

Seq. No.	2613	Seq. ID	OJ991112_15.0104.C8
Gene No.	5404	Strand	+
Start	10848	End	11125
Name	OJ991112_15.0104.C8.o2.gp	Method	AAT/GAP
Start	10848	End	11125
GI	none	Score	363
Exons	10848..11125		

Seq. No.	2613	Seq. ID	OJ991112_15.0104.C8
Gene No.	5405	Strand	-
Start	1983	End	3804
Name	OJ991112_15.0104.C8.o1.gs	Method	GENSCAN
Start	1983	End	3804
GI	none	Score	.52
Exons	1983..2030, 2830..3177, 3556..3804		

Seq. No.	2613	Seq. ID	OJ991112_15.0104.C8
Gene No.	5405	Strand	-
Start	1983	End	3804
Name	OJ991112_15.0104.C8.o1.gp	Method	AAT/GAP

Start	2940	End	3614
GI	2799515	Score	445
Exons	2940..3177, 3556..3614		

Seq. No.	2613	Seq. ID	OJ991112_15.0104.C8
Gene No.	5406	Strand	-
Start	11120	End	11718
Name	OJ991112_15.0104.C8.o5.gs	Method	GENSCAN
Start	11120	End	11718
GI	none	Score	.84
Exons	11120..11718		

Seq. No.	2614	Seq. ID	OJ991112_15.0104.C9
Gene No.	5407	Strand	+
Start	51	End	1198
Name	OJ991112_15.0104.C9.o1.gs	Method	GENSCAN
Start	51	End	1198
GI	none	Score	.64
Exons	51..247, 622..1010, 1143..1198		

Seq. No.	2614	Seq. ID	OJ991112_15.0104.C9
Gene No.	5407	Strand	+
Start	51	End	1198
Name	OJ991112_15.0104.C9.o1.np	Method	AAT/NAP
Start	680	End	1093
GI	6815062	Score	556
Exons	680..1093		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	2614	Seq. ID	OJ991112_15.0104.C9
Gene No.	5407	Strand	+
Start	51	End	1198
Name	OJ991112_15.0104.C9.o1.tm	Method	TBLASTX:Maize
Start	721	End	1087
GI	none	Score	144
Exons	721..846, 725..880, 899..1087, 943..1026		

Seq. No.	2615	Seq. ID	OJ991112_15.0104.C10
Gene No.	5408	Strand	+
Start	2097	End	3895
Name	OJ991112_15.0104.C10.o1.gs	Method	GENSCAN
Start	2097	End	3895
GI	none	Score	.53
Exons	2097..2102, 2333..2464, 3890..3895		

Seq. No.	2615	Seq. ID	OJ991112_15.0104.C10
Gene No.	5409	Strand	+
Start	19488	End	19724
Name	OJ991112_15.0104.C10.o5.gs	Method	GENSCAN
Start	19488	End	19724
GI	none	Score	.62
Exons	19488..19724		

Seq. No.	2615	Seq. ID	OJ991112_15.0104.C10
Gene No.	5410	Strand	+

Start	20175	End	23380
Name	OJ991112_15.0104.C10.o6.gs	Method	GENSCAN
Start	20175	End	23380
GI	none	Score	.9
Exons	20175..20379, 21438..21551, 21911..22695, 22787..23380		

Seq. No.	2615	Seq. ID	OJ991112_15.0104.C10
Gene No.	5410	Strand	+
Start	20175	End	23380
Name	OJ991112_15.0104.C10.o3.np	Method	AAT/NAP
Start	22016	End	23098
GI	6539555	Score	1119
Exons	22016..22695, 22787..23098		
GI Descrip.	(AP000836) Similar to mariner transposase (AF078934) [Oryza sativa] gi|6539592|dbj|BAA88208.1| (AP000837) Similar to mariner transposase (AF078934) [Oryza sativa]		

Seq. No.	2615	Seq. ID	OJ991112_15.0104.C10
Gene No.	5411	Strand	-
Start	4497	End	9671
Name	OJ991112_15.0104.C10.o2.gs	Method	GENSCAN
Start	4497	End	9671
GI	none	Score	.45
Exons	4497..4523, 5353..5709, 5973..5979, 6767..7868, 8274..8422, 8734..8891, 9306..9450, 9547..9671		

Seq. No.	2615	Seq. ID	OJ991112_15.0104.C10
Gene No.	5411	Strand	-
Start	4497	End	9671
Name	OJ991112_15.0104.C10.o1.gp	Method	AAT/GAP
Start	7257	End	7814
GI	none	Score	1074
Exons	7257..7814		

Seq. No.	2615	Seq. ID	OJ991112_15.0104.C10
Gene No.	5412	Strand	-
Start	10180	End	13994
Name	OJ991112_15.0104.C10.o2.gp	Method	AAT/GAP
Start	10180	End	13994
GI	11098_1.R1084	Score	2291
Exons	10180..10471, 10838..10908, 11069..11232, 11865..11918, 12303..12343, 12491..12583, 12673..12760, 12967..13020, 13103..13218, 13411..13488, 13618..13768, 13846..13994		
GI Descrip.	'2970556/gb|AAC05983.1| 2.0e-37 (AF049708) aspartokinase-homoserine dehydrogenase [Glycine max]'		

Seq. No.	2615	Seq. ID	OJ991112_15.0104.C10
Gene No.	5412	Strand	-
Start	10180	End	13994
Name	OJ991112_15.0104.C10.o3.gs	Method	GENSCAN
Start	10337	End	13956
GI	none	Score	.8
Exons	10337..10471, 10718..10784, 11069..11273, 12491..12583, 12673..12760, 13007..13020, 13075..13218, 13618..13768, 13846..13956		

Seq. No.	2615	Seq. ID	OJ991112_15.0104.C10

Gene No.	5413	Strand	-
Start	14795	End	18361
Name	OJ991112_15.0104.C10.o4.gs	Method	GENSCAN
Start	14795	End	18361
GI	none	Score	.4
Exons	14795..14875, 15204..15322, 15408..15557, 15990..16050, 16213..16241, 18019..18361		

Seq. No.	2615	Seq. ID	OJ991112_15.0104.C10
Gene No.	5413	Strand	-
Start	14795	End	18361
Name	OJ991112_15.0104.C10.o1.np	Method	AAT/NAP
Start	14816	End	18232
GI	4835789	Score	799
Exons	14816..14875, 15032..15118, 15204..15322, 15408..15646, 15747..15803, 15964..16050, 16213..16754, 18059..18232		
GI Descrip.	(AC007296) Strong similarity to gi|3367522 F8K4.9 from Arabidopsis thaliana BAC gb|AC004392. EST gb|W43487 comes from this gene.		

Seq. No.	2615	Seq. ID	OJ991112_15.0104.C10
Gene No.	5413	Strand	-
Start	14795	End	18361
Name	OJ991112_15.0104.C10.o2.np	Method	AAT/NAP
Start	16060	End	18279
GI	6910588	Score	650
Exons	16060..16085, 16213..16754, 18059..18279		
GI Descrip.	(AC006424) CDS [Arabidopsis thaliana]		

Seq. No.	2615	Seq. ID	OJ991112_15.0104.C10
Gene No.	5414	Strand	-
Start	23919	End	32791
Name	OJ991112_15.0104.C10.o7.gs	Method	GENSCAN
Start	23919	End	32697
GI	none	Score	.46
Exons	23919..23981, 24618..24846, 26068..26945, 29575..29661, 29745..29863, 29950..30059, 30503..30589, 31087..31298, 32398..32697		

Seq. No.	2615	Seq. ID	OJ991112_15.0104.C10
Gene No.	5414	Strand	-
Start	23919	End	32791
Name	OJ991112_15.0104.C10.o3.gp	Method	AAT/GAP
Start	29191	End	30035
GI	23020_1.R1084	Score	873
Exons	29191..29411, 29575..29661, 29745..29863, 29950..30035		
GI Descrip.	'3367522 2.0e-27 (AC004392) EST gb_T04691 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	2615	Seq. ID	OJ991112_15.0104.C10
Gene No.	5414	Strand	-
Start	23919	End	32791
Name	OJ991112_15.0104.C10.o4.np	Method	AAT/NAP
Start	29334	End	32670
GI	6910584	Score	1181
Exons	29334..29411, 29745..29863, 29950..30188, 30289..30345, 30503..30589, 30757..31298, 32398..32670		

GI Descrip. (AC006424) CDS [Arabidopsis thaliana]

Seq. No.	2615	Seq. ID	OJ991112_15.0104.C10
Gene No.	5414	Strand	-
Start	23919	End	32791
Name	OJ991112_15.0104.C10.o4.gp	Method	AAT/GAP
Start	31086	End	32791
GI	60382_1.R1084	Score	1170
Exons	31086..31298, 32398..32791		
GI Descrip.	'6002631/gb|AAF00071.1|AF093604_1 1.0e-23 (AF093604) apyrase [Arabidopsis thaliana]'		

Seq. No.	2615	Seq. ID	OJ991112_15.0104.C10
Gene No.	5415	Strand	-
Start	33098	End	33241
Name	OJ991112_15.0104.C10.o8.gs	Method	GENSCAN
Start	33098	End	33241
GI	none	Score	.79
Exons	33098..33241		

Seq. No.	2615	Seq. ID	OJ991112_15.0104.C10
Gene No.	5416	Strand	-
Start	34118	End	34441
Name	OJ991112_15.0104.C10.o2.tw	Method	TBLASTX:Wheat
Start	7985	End	9368
GI	none	Score	77
Exons	7985..8038, 7989..8042, 7991..8038, 8336..8422, 8338..8424, 8733..8891, 8734..8910, 8734..8889, 8736..8891, 9294..9368		

Seq. No.	2615	Seq. ID	OJ991112_15.0104.C10
Gene No.	5416	Strand	-
Start	34118	End	34441
Name	OJ991112_15.0104.C10.o4.tm	Method	TBLASTX:Maize
Start	10331	End	12686
GI	none	Score	93
Exons	10331..10471, 10337..10468, 10338..10472, 10339..10473, 10836..10859, 10857..10907, 10861..10908, 11066..11233, 11066..11230, 11068..11232, 11836..11919, 11862..11921, 11865..11936, 12490..12582, 12494..12583, 12494..12583, 12495..12587, 12496..12585, 12666..12686		

Seq. No.	2615	Seq. ID	OJ991112_15.0104.C10
Gene No.	5416	Strand	-
Start	34118	End	34441
Name	OJ991112_15.0104.C10.o2.tm	Method	TBLASTX:Maize
Start	14795	End	30876
GI	none	Score	65
Exons	14795..14875, 14799..14876, 15029..15118, 15030..15122, 15204..15320, 15204..15323, 15259..15345, 15403..15645, 15407..15646, 15441..15647, 15500..15646, 15746..15802, 15747..15803, 15751..15804, 15752..15805, 15951..16049, 15964..16047, 15989..16054, 16213..16329, 16215..16331, 29313..29414, 29570..29665, 29572..29667, 29572..29661, 29573..29662, 29574..29663, 29727..29861, 29740..29865, 29745..29864, 29945..30055, 29949..30188, 29951..30190, 30113..30187, 30288..30344, 30289..30345, 30294..30347, 30503..30586, 30505..30591, 30505..30579, 30521..30580,		

30744..30875, 30745..30876

Seq. No.	2615	Seq. ID	OJ991112_15.0104.C10
Gene No.	5416	Strand	-
Start	34118	End	34441
Name	OJ991112_15.0104.C10.o1.ts	Method	TBLASTX:Soybean
Start	15027	End	32575
GI	none	Score	118
Exons	15027..15125, 15204..15323, 15403..15645, 15407..15661, 15752..15802, 15752..15802, 15951..16049, 15964..16047, 16215..16754, 16216..16428, 16465..16752, 18041..18229, 18060..18212, 29572..29661, 29573..29662, 29745..29864, 29764..29865, 29939..30055, 29949..30203, 30027..30185, 30113..30187, 30294..30344, 30503..30586, 30505..30579, 30744..31298, 30760..31299, 32383..32562, 32399..32575		

Seq. No.	2615	Seq. ID	OJ991112_15.0104.C10
Gene No.	5416	Strand	-
Start	34118	End	34441
Name	OJ991112_15.0104.C10.o1.tc	Method	TBLASTX:Cress
Start	15032	End	32559
GI	none	Score	151
Exons	15032..15118, 15207..15362, 15288..15350, 15403..15645, 15966..16049, 16215..16331, 16374..16760, 16468..16752, 18041..18226, 29569..29661, 29748..29864, 29770..29865, 29945..30049, 30113..30187, 30505..30579, 30723..31304, 31012..31299, 32395..32559		

Seq. No.	2615	Seq. ID	OJ991112_15.0104.C10
Gene No.	5416	Strand	-
Start	34118	End	34441
Name	OJ991112_15.0104.C10.o1.tm	Method	TBLASTX:Maize
Start	16333	End	31307
GI	none	Score	349
Exons	16333..16701, 16335..16703, 16704..16760, 16705..16752, 30877..31245, 30879..31247, 31248..31307, 31249..31299		

Seq. No.	2615	Seq. ID	OJ991112_15.0104.C10
Gene No.	5416	Strand	-
Start	34118	End	34441
Name	OJ991112_15.0104.C10.o3.tm	Method	TBLASTX:Maize
Start	18039	End	32685
GI	none	Score	203
Exons	18039..18224, 18041..18229, 18200..18250, 32383..32562, 32396..32581, 32470..32589, 32538..32588, 32635..32685		

Seq. No.	2615	Seq. ID	OJ991112_15.0104.C10
Gene No.	5416	Strand	-
Start	34118	End	34441
Name	OJ991112_15.0104.C10.o1.tw	Method	TBLASTX:Wheat
Start	22874	End	31229
GI	none	Score	229
Exons	22874..23155, 23017..23094, 31155..31229		

Seq. No.	2615	Seq. ID	OJ991112_15.0104.C10
Gene No.	5416	Strand	-
Start	34118	End	34441

Name	OJ991112_15.0104.C10.o5.gp	Method	AAT/GAP
Start	34118	End	34441
GI	uC-osflcyp169f03b1	Score	300
Exons	34118..34149, 34227..34441		
GI Descrip.	'5441872/dbj|AP000366.1|AP000366 1.0e-17 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)'		

Seq. No.	2616	Seq. ID	OJ991112_15.0104.C12
Gene No.	5417	Strand	+
Start	8451	End	9149
Name	OJ991112_15.0104.C12.o3.gp	Method	AAT/GAP
Start	8451	End	9149
GI	27824_1.R1084	Score	1351
Exons	8451..9149		
GI Descrip.	'4309732/gb|AAD15502| 7.0e-10 (AC006439) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	2616	Seq. ID	OJ991112_15.0104.C12
Gene No.	5417	Strand	+
Start	8451	End	9149
Name	OJ991112_15.0104.C12.o2.np	Method	AAT/NAP
Start	8526	End	8836
GI	6539266	Score	225
Exons	8526..8836		
GI Descrip.	(AC011765) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2616	Seq. ID	OJ991112_15.0104.C12
Gene No.	5418	Strand	+
Start	11483	End	14441
Name	OJ991112_15.0104.C12.o3.gs	Method	GENSCAN
Start	11483	End	14441
GI	none	Score	.66
Exons	11483..11540, 13323..13346, 13687..13790, 13918..14124, 14268..14441		

Seq. No.	2616	Seq. ID	OJ991112_15.0104.C12
Gene No.	5419	Strand	-
Start	810	End	1214
Name	OJ991112_15.0104.C12.o1.gp	Method	AAT/GAP
Start	810	End	1214
GI	none	Score	738
Exons	810..1214		

Seq. No.	2616	Seq. ID	OJ991112_15.0104.C12
Gene No.	5420	Strand	-
Start	1160	End	9013
Name	OJ991112_15.0104.C12.o1.np	Method	AAT/NAP
Start	1124	End	4987
GI	6967106	Score	1276
Exons	1124..1672, 2857..3510, 4949..4987		
GI Descrip.	(AL132953) putative protein [Arabidopsis thaliana]		

Seq. No.	2616	Seq. ID	OJ991112_15.0104.C12
Gene No.	5420	Strand	-
Start	1160	End	9013
Name	OJ991112_15.0104.C12.o1.gs	Method	GENSCAN
Start	1160	End	3770

GI	none	Score	.71
Exons	1160..1672, 2857..3058, 3134..3265, 3331..3770		

Seq. No.	2616	Seq. ID	OJ991112_15.0104.C12
Gene No.	5420	Strand	-
Start	1160	End	9013
Name	OJ991112_15.0104.C12.o2.gp	Method	AAT/GAP
Start	1227	End	1658
GI	LIB3431-003-P1-K1-G5	Score	810
Exons	1227..1658		
GI Descrip.	'6091757/gb|AAF03467.1|AC009327_6 2.0e-51 (AC009327) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	2616	Seq. ID	OJ991112_15.0104.C12
Gene No.	5420	Strand	-
Start	1160	End	9013
Name	OJ991112_15.0104.C12.o2.gs	Method	GENSCAN
Start	4391	End	9013
GI	none	Score	.62
Exons	4391..4428, 4614..4671, 6328..6439, 7025..7102, 8420..8523, 8558..9013		

Seq. No.	2616	Seq. ID	OJ991112_15.0104.C12
Gene No.	5421	Strand	-
Start	16049	End	16464
Name	OJ991112_15.0104.C12.o1.tm	Method	TBLASTX:Maize
Start	812	End	3059
GI	none	Score	42
Exons	812..925, 1035..1106, 1151..1675, 1152..1673, 1387..1674, 2853..3059, 2856..3047, 2857..3054		

Seq. No.	2616	Seq. ID	OJ991112_15.0104.C12
Gene No.	5421	Strand	-
Start	16049	End	16464
Name	OJ991112_15.0104.C12.o1.tc	Method	TBLASTX:Cress
Start	1169	End	2910
GI	none	Score	262
Exons	1169..1672, 1239..1673, 2857..2910		

Seq. No.	2616	Seq. ID	OJ991112_15.0104.C12
Gene No.	5421	Strand	-
Start	16049	End	16464
Name	OJ991112_15.0104.C12.o2.ts	Method	TBLASTX:Soybean
Start	1178	End	1426
GI	none	Score	115
Exons	1178..1426, 1188..1424, 1223..1426		

Seq. No.	2616	Seq. ID	OJ991112_15.0104.C12
Gene No.	5421	Strand	-
Start	16049	End	16464
Name	OJ991112_15.0104.C12.o1.tw	Method	TBLASTX:Wheat
Start	1287	End	2919
GI	none	Score	237
Exons	1287..1622, 1289..1657, 2854..2919		

Seq. No.	2616	Seq. ID	OJ991112_15.0104.C12
Gene No.	5421	Strand	-

Start	16049	End	16464
Name	OJ991112_15.0104.C12.o1.ts	Method	TBLASTX:Soybean
Start	1427	End	1688
GI	none	Score	112
Exons	1427..1591, 1427..1687, 1464..1688		

Seq. No.	2616	Seq. ID	OJ991112_15.0104.C12
Gene No.	5421	Strand	-
Start	16049	End	16464
Name	OJ991112_15.0104.C12.o2.tc	Method	TBLASTX:Cress
Start	2995	End	3277
GI	none	Score	146
Exons	2995..3021, 3034..3234, 3053..3277		

Seq. No.	2616	Seq. ID	OJ991112_15.0104.C12
Gene No.	5421	Strand	-
Start	16049	End	16464
Name	OJ991112_15.0104.C12.o2.tm	Method	TBLASTX:Maize
Start	3420	End	3717
GI	none	Score	82
Exons	3420..3512, 3423..3488, 3424..3510, 3540..3581, 3591..3716, 3631..3717		

Seq. No.	2616	Seq. ID	OJ991112_15.0104.C12
Gene No.	5421	Strand	-
Start	16049	End	16464
Name	OJ991112_15.0104.C12.o4.gs	Method	GENSCAN
Start	16049	End	16464
GI	none	Score	.41
Exons	16049..16464		

Seq. No.	2617	Seq. ID	OJ991112_15.0104.C13
Gene No.	5422	Strand	+
Start	329	End	2143
Name	OJ991112_15.0104.C13.o1.gs	Method	GENSCAN
Start	329	End	2143
GI	none	Score	.98
Exons	329..2143		

Seq. No.	2617	Seq. ID	OJ991112_15.0104.C13
Gene No.	5423	Strand	-
Start	11735	End	13150
Name	OJ991112_15.0104.C13.o3.tm	Method	TBLASTX:Maize
Start	926	End	1101
GI	none	Score	243
Exons	926..1099, 967..1101		

Seq. No.	2617	Seq. ID	OJ991112_15.0104.C13
Gene No.	5423	Strand	-
Start	11735	End	13150
Name	OJ991112_15.0104.C13.o1.tm	Method	TBLASTX:Maize
Start	1735	End	2150
GI	none	Score	664
Exons	1735..2142, 1736..2143, 1736..2143, 1938..2150, 2035..2145		

Seq. No.	2617	Seq. ID	OJ991112_15.0104.C13
Gene No.	5423	Strand	-

Start	11735	End	13150
Name	OJ991112_15.0104.C13.o1.gp	Method	AAT/GAP
Start	11735	End	13150
GI	1945280	Score	2508
Exons	11735..12770, 12904..13150		
GI Descrip.	1945281/emb|CAA72187| 1.0e-162 (Y11352) myb factor [Oryza sativa]		

Seq. No.	2617	Seq. ID	OJ991112_15.0104.C13
Gene No.	5423	Strand	-
Start	11735	End	13150
Name	OJ991112_15.0104.C13.o1.np	Method	AAT/NAP
Start	11972	End	13036
GI	1945281	Score	1645
Exons	11972..12770, 12904..13036		
GI Descrip.	(Y11352) myb factor [Oryza sativa]		

Seq. No.	2617	Seq. ID	OJ991112_15.0104.C13
Gene No.	5423	Strand	-
Start	11735	End	13150
Name	OJ991112_15.0104.C13.o1.tc	Method	TBLASTX:Cress
Start	12542	End	13037
GI	none	Score	198
Exons	12542..12781, 12556..12777, 12902..13036, 12903..13037		

Seq. No.	2617	Seq. ID	OJ991112_15.0104.C13
Gene No.	5423	Strand	-
Start	11735	End	13150
Name	OJ991112_15.0104.C13.o1.tw	Method	TBLASTX:Wheat
Start	12545	End	13049
GI	none	Score	146
Exons	12545..12592, 12556..12774, 12575..12781, 12644..12778, 12902..13048, 12903..13049, 12972..13049		

Seq. No.	2617	Seq. ID	OJ991112_15.0104.C13
Gene No.	5423	Strand	-
Start	11735	End	13150
Name	OJ991112_15.0104.C13.o2.tm	Method	TBLASTX:Maize
Start	12571	End	13037
GI	none	Score	215
Exons	12571..12777, 12575..12781, 12575..12781, 12902..13036, 12903..13037, 12972..13037		

Seq. No.	2617	Seq. ID	OJ991112_15.0104.C13
Gene No.	5423	Strand	-
Start	11735	End	13150
Name	OJ991112_15.0104.C13.o1.ts	Method	TBLASTX:Soybean
Start	12607	End	13037
GI	none	Score	136
Exons	12607..12777, 12614..12772, 12896..13036, 12897..13037		

Seq. No.	2618	Seq. ID	OJ991112_15.0104.C14
Gene No.	5424	Strand	+
Start	1	End	469
Name	OJ991112_15.0104.C14.o1.np	Method	AAT/NAP
Start	1	End	466
GI	5091610	Score	586

Exons	1..466		
GI Descrip.	(AC007858) 10A19I.15 [Oryza sativa]		
Seq. No.	2618	Seq. ID	OJ991112_15.0104.C14
Gene No.	5424	Strand	+
Start	1	End	469
Name	OJ991112_15.0104.C14.o1.gs	Method	GENSCAN
Start	35	End	469
GI	none	Score	.89
Exons	35..469		
Seq. No.	2618	Seq. ID	OJ991112_15.0104.C14
Gene No.	5424	Strand	+
Start	1	End	469
Name	OJ991112_15.0104.C14.o1.tm	Method	TBLASTX:Maize
Start	193	End	460
GI	none	Score	95
Exons	193..318, 197..301, 299..460,	299..454, 304..459	
Seq. No.	2619	Seq. ID	OJ991112_15.0104.C16
Gene No.	5425	Strand	+
Start	6642	End	6746
Name	OJ991112_15.0104.C16.o1.gp	Method	AAT/GAP
Start	6642	End	6746
GI	LIB3477-003-P1-K1-E9	Score	91
Exons	6642..6746		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	2619	Seq. ID	OJ991112_15.0104.C16
Gene No.	5426	Strand	+
Start	9744	End	9821
Name	OJ991112_15.0104.C16.o4.np	Method	AAT/NAP
Start	9744	End	9821
GI	6630699	Score	91
Exons	9744..9821		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	2619	Seq. ID	OJ991112_15.0104.C16
Gene No.	5427	Strand	+
Start	9958	End	10378
Name	OJ991112_15.0104.C16.o5.np	Method	AAT/NAP
Start	9958	End	10378
GI	6539570	Score	209
Exons	9958..10151, 10312..10378		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		
Seq. No.	2619	Seq. ID	OJ991112_15.0104.C16
Gene No.	5428	Strand	-
Start	172	End	581
Name	OJ991112_15.0104.C16.o1.np	Method	AAT/NAP
Start	172	End	581
GI	6539570	Score	184
Exons	172..220, 379..581		

GI Descrip. (AP000836) hypothetical protein [Oryza sativa]

Seq. No.	2619	Seq. ID	OJ991112_15.0104.C16
Gene No.	5429	Strand	-
Start	1505	End	5813
Name	OJ991112_15.0104.C16.o2.np	Method	AAT/NAP
Start	708	End	791
GI	6630699	Score	87
Exons	708..791		

GI Descrip. (AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]

Seq. No.	2619	Seq. ID	OJ991112_15.0104.C16
Gene No.	5429	Strand	-
Start	1505	End	5813
Name	OJ991112_15.0104.C16.o1.gs	Method	GENSCAN
Start	1505	End	5813
GI	none	Score	.4
Exons	1505..1585, 1710..1796, 1878..1996, 2086..2235, 3132..3381, 5502..5813		

Seq. No.	2619	Seq. ID	OJ991112_15.0104.C16
Gene No.	5429	Strand	-
Start	1505	End	5813
Name	OJ991112_15.0104.C16.o3.np	Method	AAT/NAP
Start	1508	End	5781
GI	6910584	Score	1157
Exons	1508..1569, 1862..1996, 2086..2324, 2427..2483, 2782..2868, 3011..3552, 5502..5781		

GI Descrip. (AC006424) CDS [Arabidopsis thaliana]

Seq. No.	2619	Seq. ID	OJ991112_15.0104.C16
Gene No.	5430	Strand	-
Start	9741	End	10164
Name	OJ991112_15.0104.C16.o2.gp	Method	AAT/GAP
Start	9741	End	10164
GI	LIB3479-006-Q6-K1-B11	Score	678
Exons	9741..10164		

GI Descrip. '5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'

Seq. No.	2619	Seq. ID	OJ991112_15.0104.C16
Gene No.	5431	Strand	-
Start	13435	End	14961
Name	OJ991112_15.0104.C16.o1.tm	Method	TBLASTX:Maize
Start	1487	End	3133
GI	none	Score	82
Exons	1487..1585, 1707..1799, 1707..1796, 1708..1800, 1878..1961, 1933..1998, 2081..2341, 2085..2324, 2087..2326, 2426..2482, 2427..2483, 2782..2865, 2782..2865, 2784..2897, 2784..2867, 3011..3133, 3013..3132		

Seq. No.	2619	Seq. ID	OJ991112_15.0104.C16
Gene No.	5431	Strand	-
Start	13435	End	14961
Name	OJ991112_15.0104.C16.o1.ts	Method	TBLASTX:Soybean

Start	1514	End	5723
GI	none	Score	81
Exons	1514..1585, 1707..1796, 1708..1797, 1708..1803, 1878..1961, 1954..1998, 2079..2321, 2081..2341, 2085..2339, 2429..2482, 2432..2482, 2482..2529, 2782..2865, 2782..2859, 2784..2867, 2837..2890, 3013..3552, 3014..3553, 3410..3556, 5487..5723, 5494..5694		

Seq. No.	2619	Seq. ID	OJ991112_15.0104.C16
Gene No.	5431	Strand	-
Start	13435	End	14961
Name	OJ991112_15.0104.C16.o1.tc	Method	TBLASTX:Cress
Start	1645	End	5699
GI	none	Score	67
Exons	1645..1797, 1710..1796, 1881..1961, 1951..1998, 2081..2323, 2784..2867, 3013..3558, 3266..3553, 5499..5699		

Seq. No.	2619	Seq. ID	OJ991112_15.0104.C16
Gene No.	5431	Strand	-
Start	13435	End	14961
Name	OJ991112_15.0104.C16.o2.tm	Method	TBLASTX:Maize
Start	3134	End	3561
GI	none	Score	357
Exons	3134..3499, 3134..3307, 3136..3501, 3410..3502, 3502..3561, 3503..3553		

Seq. No.	2619	Seq. ID	OJ991112_15.0104.C16
Gene No.	5431	Strand	-
Start	13435	End	14961
Name	OJ991112_15.0104.C16.o3.tm	Method	TBLASTX:Maize
Start	5487	End	5682
GI	none	Score	228
Exons	5487..5681, 5500..5682		

Seq. No.	2619	Seq. ID	OJ991112_15.0104.C16
Gene No.	5431	Strand	-
Start	13435	End	14961
Name	OJ991112_15.0104.C16.o6.np	Method	AAT/NAP
Start	13435	End	14961
GI	4539369	Score	263
Exons	13435..13664, 14648..14961		
GI Descrip.	(AL049525) putative protein [Arabidopsis thaliana]		

Seq. No.	2619	Seq. ID	OJ991112_15.0104.C16
Gene No.	5431	Strand	-
Start	13435	End	14961
Name	OJ991112_15.0104.C16.o3.gs	Method	GENSCAN
Start	14601	End	14873
GI	none	Score	.68
Exons	14601..14873		

Seq. No.	2620	Seq. ID	OJ991112_15.0104.C17
Gene No.	5432	Strand	+
Start	177	End	3864
Name	OJ991112_15.0104.C17.o1.gs	Method	GENSCAN
Start	177	End	3864
GI	none	Score	.73

Exons	177..576, 746..835, 1516..1637, 1733..1841, 1977..2089, 2903..3018, 3289..3322, 3492..3677, 3763..3864		
Seq. No.	2620	Seq. ID	OJ991112_15.0104.C17
Gene No.	5432	Strand	+
Start	177	End	3864
Name	OJ991112_15.0104.C17.o1.gp	Method	AAT/GAP
Start	1604	End	1841
GI	568247	Score	211
Exons	1604..1637, 1733..1841		
Seq. No.	2620	Seq. ID	OJ991112_15.0104.C17
Gene No.	5432	Strand	+
Start	177	End	3864
Name	OJ991112_15.0104.C17.o2.gp	Method	AAT/GAP
Start	1873	End	2922
GI	none	Score	861
Exons	1873..2089, 2675..2922		
Seq. No.	2620	Seq. ID	OJ991112_15.0104.C17
Gene No.	5432	Strand	+
Start	177	End	3864
Name	OJ991112_15.0104.C17.o1.np	Method	AAT/NAP
Start	2891	End	3861
GI	6091761	Score	563
Exons	2891..3018, 3136..3190, 3289..3409, 3535..3677, 3763..3861		
GI Descrip.	(AC009327) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	2620	Seq. ID	OJ991112_15.0104.C17
Gene No.	5432	Strand	+
Start	177	End	3864
Name	OJ991112_15.0104.C17.o3.gp	Method	AAT/GAP
Start	2994	End	3457
GI	LIB3434-014-P1-K1-A1	Score	763
Exons	2994..3457		
GI Descrip.	'6091761/gb|AAF03471.1|AC009327_10 6.0e-15 (AC009327) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	2620	Seq. ID	OJ991112_15.0104.C17
Gene No.	5433	Strand	+
Start	11645	End	11941
Name	OJ991112_15.0104.C17.o3.np	Method	AAT/NAP
Start	11645	End	11941
GI	6630696	Score	513
Exons	11645..11941		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		
Seq. No.	2620	Seq. ID	OJ991112_15.0104.C17
Gene No.	5433	Strand	+
Start	11645	End	11941
Name	OJ991112_15.0104.C17.o4.gp	Method	AAT/GAP
Start	11687	End	11941
GI	101595_1.R1084	Score	494
Exons	11687..11941		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to		

retrovirus-related POL polyproteins [Arabidopsis thaliana]'

Seq. No.	2620	Seq. ID	OJ991112_15.0104.C17
Gene No.	5434	Strand	-
Start	2380	End	11384
Name	OJ991112_15.0104.C17.o2.tw	Method	TBLASTX:Wheat
Start	1490	End	2062
GI	none	Score	45
Exons	1490..1552, 1497..1553, 1553..1645, 1557..1658, 1754..1840, 1763..1840, 1942..2049, 1973..2062, 1979..2059, 1992..2060		

Seq. No.	2620	Seq. ID	OJ991112_15.0104.C17
Gene No.	5434	Strand	-
Start	2380	End	11384
Name	OJ991112_15.0104.C17.o2.np	Method	AAT/NAP
Start	2380	End	11384
GI	6587812	Score	509
Exons	2380..2561, 5073..5361, 7352..7428, 7802..7926, 8007..8095, 8711..8796, 9369..9399, 11259..11384		
GI Descrip.	(AC010924) Similar to gb|U44028 transcription factor CKC from Arabidopsis thaliana and contains two PF|00847 AP2 domains.		

Seq. No.	2620	Seq. ID	OJ991112_15.0104.C17
Gene No.	5434	Strand	-
Start	2380	End	11384
Name	OJ991112_15.0104.C17.o1.ts	Method	TBLASTX:Soybean
Start	2900	End	3193
GI	none	Score	193
Exons	2900..3019, 2900..3019, 2902..3033, 3122..3193		

Seq. No.	2620	Seq. ID	OJ991112_15.0104.C17
Gene No.	5434	Strand	-
Start	2380	End	11384
Name	OJ991112_15.0104.C17.o1.tm	Method	TBLASTX:Maize
Start	2916	End	3420
GI	none	Score	106
Exons	2916..3023, 2917..3030, 2918..3034, 3056..3196, 3062..3196, 3111..3197, 3112..3198, 3217..3417, 3225..3416, 3241..3420		

Seq. No.	2620	Seq. ID	OJ991112_15.0104.C17
Gene No.	5434	Strand	-
Start	2380	End	11384
Name	OJ991112_15.0104.C17.o1.tc	Method	TBLASTX:Cress
Start	3370	End	3881
GI	none	Score	60
Exons	3370..3414, 3378..3410, 3534..3677, 3534..3677, 3563..3679, 3757..3864, 3762..3881		

Seq. No.	2620	Seq. ID	OJ991112_15.0104.C17
Gene No.	5434	Strand	-
Start	2380	End	11384
Name	OJ991112_15.0104.C17.o2.tm	Method	TBLASTX:Maize
Start	3534	End	4000
GI	none	Score	182
Exons	3534..3677, 3534..3677, 3535..3678, 3757..3900, 3762..3881, 3764..3886, 3911..4000		

Seq. No.	2620	Seq. ID	OJ991112_15.0104.C17
Gene No.	5434	Strand	-
Start	2380	End	11384
Name	OJ991112_15.0104.C17.o2.gs	Method	GENSCAN
Start	4664	End	8364
GI	none	Score	.91
Exons	4664..5361, 7352..7428, 7802..7926, 8007..8095, 8340..8364		

Seq. No.	2620	Seq. ID	OJ991112_15.0104.C17
Gene No.	5434	Strand	-
Start	2380	End	11384
Name	OJ991112_15.0104.C17.o4.tm	Method	TBLASTX:Maize
Start	4862	End	8099
GI	none	Score	87
Exons	4862..5035, 4871..5035, 4884..5039, 4912..5043, 5158..5220, 5200..5358, 5262..5315, 5262..5360, 5264..5320, 5264..5362, 5270..5362, 5272..5358, 7347..7430, 7348..7431, 7801..7926, 7803..7847, 8004..8099, 8010..8096		

Seq. No.	2620	Seq. ID	OJ991112_15.0104.C17
Gene No.	5435	Strand	
Start	11539	End	11938
Name	OJ991112_15.0104.C17.o1.tw	Method	TBLASTX:Wheat
Start	11539	End	11936
GI	none	Score	128
Exons	11539..11637, 11540..11674, 11651..11935, 11725..11934, 11754..11936		

Seq. No.	2620	Seq. ID	OJ991112_15.0104.C17
Gene No.	5435	Strand	
Start	11539	End	11938
Name	OJ991112_15.0104.C17.o3.tm	Method	TBLASTX:Maize
Start	11687	End	11938
GI	none	Score	270
Exons	11687..11938, 11734..11934, 11816..11938		

Seq. No.	2621	Seq. ID	OJ991112_15.0104.C18
Gene No.	5436	Strand	+
Start	1	End	1699
Name	OJ991112_15.0104.C18.o1.gp	Method	AAT/GAP
Start	1	End	416
GI	101595_1.R1084	Score	517
Exons	1..226, 342..416		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	2621	Seq. ID	OJ991112_15.0104.C18
Gene No.	5436	Strand	+
Start	1	End	1699
Name	OJ991112_15.0104.C18.o1.np	Method	AAT/NAP
Start	1	End	1699
GI	6630696	Score	2923
Exons	1..1699		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	2621	Seq. ID	OJ991112_15.0104.C18
Gene No.	5436	Strand	+
Start	1	End	1699
Name	OJ991112_15.0104.C18.o1.gs	Method	GENSCAN
Start	6	End	490
GI	none	Score	.93
Exons	6..231, 342..490		

Seq. No.	2621	Seq. ID	OJ991112_15.0104.C18
Gene No.	5437	Strand	-
Start	751	End	1695
Name	OJ991112_15.0104.C18.o1.tm	Method	TBLASTX:Maize
Start	357	End	701
GI	none	Score	376
Exons	357..629, 358..630, 359..631, 359..631, 660..701		

Seq. No.	2621	Seq. ID	OJ991112_15.0104.C18
Gene No.	5437	Strand	-
Start	751	End	1695
Name	OJ991112_15.0104.C18.o2.ts	Method	TBLASTX:Soybean
Start	675	End	1001
GI	none	Score	88
Exons	675..824, 807..1001		

Seq. No.	2621	Seq. ID	OJ991112_15.0104.C18
Gene No.	5437	Strand	-
Start	751	End	1695
Name	OJ991112_15.0104.C18.o2.gs	Method	GENSCAN
Start	751	End	891
GI	none	Score	.61
Exons	751..891		

Seq. No.	2621	Seq. ID	OJ991112_15.0104.C18
Gene No.	5437	Strand	-
Start	751	End	1695
Name	OJ991112_15.0104.C18.o2.tm	Method	TBLASTX:Maize
Start	813	End	1276
GI	none	Score	93
Exons	813..977, 1013..1276, 1051..1269		

Seq. No.	2621	Seq. ID	OJ991112_15.0104.C18
Gene No.	5437	Strand	-
Start	751	End	1695
Name	OJ991112_15.0104.C18.o2.tw	Method	TBLASTX:Wheat
Start	920	End	1119
GI	none	Score	156
Exons	920..1015, 921..1034, 921..1034, 1015..1119, 1016..1117		

Seq. No.	2621	Seq. ID	OJ991112_15.0104.C18
Gene No.	5437	Strand	-
Start	751	End	1695
Name	OJ991112_15.0104.C18.o1.ts	Method	TBLASTX:Soybean
Start	1064	End	1285
GI	none	Score	207
Exons	1064..1285, 1066..1281		

Seq. No.	2621	Seq. ID	OJ991112_15.0104.C18

Gene No.	5437	Strand	-
Start	751	End	1695
Name	OJ991112_15.0104.C18.o1.tw	Method	TBLASTX:Wheat
Start	1120	End	1695
GI	none	Score	210
Exons	1120..1410, 1120..1410, 1127..1411, 1131..1433, 1387..1695, 1407..1616		

Seq. No.	2622	Seq. ID	OJ991112_16.0104.C1
Gene No.	5438	Strand	+
Start	72	End	478
Name	OJ991112_16.0104.C1.o1.gp	Method	AAT/GAP
Start	72	End	478
GI	60382_1.R1084	Score	765
Exons	72..478		
GI Descrip.	'6002631/gb|AAF00071.1|AF093604_1 1.0e-23 (AF093604) apyrase [Arabidopsis thaliana]'		

Seq. No.	2622	Seq. ID	OJ991112_16.0104.C1
Gene No.	5439	Strand	-
Start	1	End	502
Name	OJ991112_16.0104.C1.o1.np	Method	AAT/NAP
Start	1	End	502
GI	6910588	Score	170
Exons	1..305, 464..502		
GI Descrip.	(AC006424) CDS [Arabidopsis thaliana]		

Seq. No.	2622	Seq. ID	OJ991112_16.0104.C1
Gene No.	5439	Strand	-
Start	1	End	502
Name	OJ991112_16.0104.C1.o1.tc	Method	TBLASTX:Cress
Start	70	End	262
GI	none	Score	110
Exons	70..249, 86..262		

Seq. No.	2622	Seq. ID	OJ991112_16.0104.C1
Gene No.	5439	Strand	-
Start	1	End	502
Name	OJ991112_16.0104.C1.o1.tm	Method	TBLASTX:Maize
Start	70	End	372
GI	none	Score	245
Exons	70..249, 83..268, 157..276, 225..275, 322..372		

Seq. No.	2622	Seq. ID	OJ991112_16.0104.C1
Gene No.	5439	Strand	-
Start	1	End	502
Name	OJ991112_16.0104.C1.o1.ts	Method	TBLASTX:Soybean
Start	70	End	277
GI	none	Score	141
Exons	70..249, 86..277		

Seq. No.	2622	Seq. ID	OJ991112_16.0104.C1
Gene No.	5439	Strand	-
Start	1	End	502
Name	OJ991112_16.0104.C1.o1.gs	Method	GENSCAN
Start	85	End	384
GI	none	Score	1

Exons	85..384		
Seq. No.	2623	Seq. ID	OJ991112_16.0104.C2
Gene No.	5440	Strand	-
Start	873	End	1489
Name	OJ991112_16.0104.C2.o1.gs	Method	GENSCAN
Start	873	End	1489
GI	none	Score	.7
Exons	873..953, 1421..1489		
Seq. No.	2624	Seq. ID	OJ991112_16.0104.C4
Gene No.	5441	Strand	+
Start	363	End	4793
Name	OJ991112_16.0104.C4.o1.gs	Method	GENSCAN
Start	363	End	4694
GI	none	Score	.81
Exons	363..411, 596..682, 1143..1222, 2002..2064, 2155..3387, 3669..4694		
Seq. No.	2624	Seq. ID	OJ991112_16.0104.C4
Gene No.	5441	Strand	+
Start	363	End	4793
Name	OJ991112_16.0104.C4.o1.np	Method	AAT/NAP
Start	1312	End	4793
GI	6539581	Score	1710
Exons	1312..1403, 2180..2575, 2639..2718, 2833..4793		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		
Seq. No.	2624	Seq. ID	OJ991112_16.0104.C4
Gene No.	5442	Strand	-
Start	4996	End	6849
Name	OJ991112_16.0104.C4.o1.tw	Method	TBLASTX:Wheat
Start	2821	End	3213
GI	none	Score	67
Exons	2821..2919, 2913..3212, 2923..3213		
Seq. No.	2624	Seq. ID	OJ991112_16.0104.C4
Gene No.	5442	Strand	-
Start	4996	End	6849
Name	OJ991112_16.0104.C4.o2.tm	Method	TBLASTX:Maize
Start	2823	End	3042
GI	none	Score	205
Exons	2823..3020, 2824..3042, 2824..3039		
Seq. No.	2624	Seq. ID	OJ991112_16.0104.C4
Gene No.	5442	Strand	-
Start	4996	End	6849
Name	OJ991112_16.0104.C4.o1.tc	Method	TBLASTX:Cress
Start	3046	End	3360
GI	none	Score	242
Exons	3046..3360, 3069..3353, 3109..3360		
Seq. No.	2624	Seq. ID	OJ991112_16.0104.C4
Gene No.	5442	Strand	-
Start	4996	End	6849
Name	OJ991112_16.0104.C4.o1.tm	Method	TBLASTX:Maize

Start	3046	End	3443
GI	none	Score	321
Exons	3046..3432, 3049..3411, 3075..3443, 3090..3440		

Seq. No.	2624	Seq. ID	OJ991112_16.0104.C4
Gene No.	5442	Strand	-
Start	4996	End	6849
Name	OJ991112_16.0104.C4.o1.ts	Method	TBLASTX:Soybean
Start	3106	End	3653
GI	none	Score	316
Exons	3106..3480, 3106..3321, 3147..3368, 3433..3471, 3567..3653		

Seq. No.	2624	Seq. ID	OJ991112_16.0104.C4
Gene No.	5442	Strand	-
Start	4996	End	6849
Name	OJ991112_16.0104.C4.o2.tw	Method	TBLASTX:Wheat
Start	3279	End	3716
GI	none	Score	180
Exons	3279..3455, 3280..3480, 3564..3716		

Seq. No.	2624	Seq. ID	OJ991112_16.0104.C4
Gene No.	5442	Strand	-
Start	4996	End	6849
Name	OJ991112_16.0104.C4.o2.gs	Method	GENSCAN
Start	4996	End	6520
GI	none	Score	.96
Exons	4996..5034, 5142..5331, 5707..5807, 5922..6053, 6149..6247, 6349..6520		

Seq. No.	2624	Seq. ID	OJ991112_16.0104.C4
Gene No.	5442	Strand	-
Start	4996	End	6849
Name	OJ991112_16.0104.C4.o2.np	Method	AAT/NAP
Start	5919	End	6849
GI	6539580	Score	270
Exons	5919..6053, 6149..6204, 6321..6514, 6788..6849		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	2625	Seq. ID	OJ991112_16.0104.C5
Gene No.	5443	Strand	-
Start	1	End	3546
Name	OJ991112_16.0104.C5.o1.np	Method	AAT/NAP
Start	1	End	3546
GI	6539580	Score	594
Exons	1..103, 910..1082, 1165..1342, 1427..2065, 3518..3546		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	2625	Seq. ID	OJ991112_16.0104.C5
Gene No.	5443	Strand	-
Start	1	End	3546
Name	OJ991112_16.0104.C5.o1.gs	Method	GENSCAN
Start	62	End	2815
GI	none	Score	.79
Exons	62..210, 308..379, 477..531, 621..697, 804..1089, 1169..1342, 2587..2643, 2711..2815		

Seq. No.	2626	Seq. ID	OJ991112_16.0104.C6

Gene No.	5444	Strand	-
Start	823	End	1719
Name	OJ991112_16.0104.C6.o1.gs	Method	GENSCAN
Start	823	End	1719
GI	none	Score	.83
Exons	823..1719		

Seq. No.	2626	Seq. ID	OJ991112_16.0104.C6
Gene No.	5444	Strand	-
Start	823	End	1719
Name	OJ991112_16.0104.C6.o1.tm	Method	TBLASTX:Maize
Start	1474	End	1698
GI	none	Score	94
Exons	1474..1698, 1532..1630		

Seq. No.	2627	Seq. ID	OJ991112_16.0104.C7
Gene No.	5445	Strand	+
Start	930	End	1281
Name	OJ991112_16.0104.C7.o1.gs	Method	GENSCAN
Start	930	End	1281
GI	none	Score	.47
Exons	930..1081, 1087..1281		

Seq. No.	2627	Seq. ID	OJ991112_16.0104.C7
Gene No.	5446	Strand	+
Start	1255	End	4995
Name	OJ991112_16.0104.C7.o2.np	Method	AAT/NAP
Start	1255	End	4988
GI	6063557	Score	394
Exons	1255..1375, 4387..4572, 4820..4988		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	2627	Seq. ID	OJ991112_16.0104.C7
Gene No.	5446	Strand	+
Start	1255	End	4995
Name	OJ991112_16.0104.C7.o3.gs	Method	GENSCAN
Start	4393	End	4932
GI	none	Score	.62
Exons	4393..4528, 4793..4932		

Seq. No.	2627	Seq. ID	OJ991112_16.0104.C7
Gene No.	5446	Strand	+
Start	1255	End	4995
Name	OJ991112_16.0104.C7.o1.gp	Method	AAT/GAP
Start	4842	End	4995
GI	uC-osf1cyp169h02b1	Score	204
Exons	4842..4995		
GI Descrip.	'6063530/dbj|AP000615.1|AP000615 3.0e-33 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01'		

Seq. No.	2627	Seq. ID	OJ991112_16.0104.C7
Gene No.	5447	Strand	-
Start	1363	End	7672
Name	OJ991112_16.0104.C7.o2.gs	Method	GENSCAN
Start	1363	End	3571
GI	none	Score	.71
Exons	1363..1459, 1808..1849, 1991..2068, 2357..2369, 2722..2967,		

3136..3571

Seq. No.	2627	Seq. ID	OJ991112_16.0104.C7
Gene No.	5447	Strand	-
Start	1363	End	7672
Name	OJ991112_16.0104.C7.o1.ts	Method	TBLASTX:Soybean
Start	2579	End	2824
GI	none	Score	47
Exons	2579..2617, 2583..2618, 2642..2824, 2694..2780		

Seq. No.	2627	Seq. ID	OJ991112_16.0104.C7
Gene No.	5447	Strand	-
Start	1363	End	7672
Name	OJ991112_16.0104.C7.o1.np	Method	AAT/NAP
Start	2585	End	7672
GI	6498441	Score	263
Exons	2585..2878, 2981..3591, 7645..7672		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	2627	Seq. ID	OJ991112_16.0104.C7
Gene No.	5447	Strand	-
Start	1363	End	7672
Name	OJ991112_16.0104.C7.o4.gs	Method	GENSCAN
Start	6679	End	7233
GI	none	Score	.94
Exons	6679..7233		

Seq. No.	2627	Seq. ID	OJ991112_16.0104.C7
Gene No.	5447	Strand	-
Start	1363	End	7672
Name	OJ991112_16.0104.C7.o2.gp	Method	AAT/GAP
Start	7474	End	7672
GI	none	Score	389
Exons	7474..7672		

Seq. No.	2628	Seq. ID	OJ991112_16.0104.C8
Gene No.	5448	Strand	+
Start	5237	End	5643
Name	OJ991112_16.0104.C8.o3.gs	Method	GENSCAN
Start	5237	End	5643
GI	none	Score	.47
Exons	5237..5393, 5621..5643		

Seq. No.	2628	Seq. ID	OJ991112_16.0104.C8
Gene No.	5449	Strand	-
Start	1150	End	3081
Name	OJ991112_16.0104.C8.o1.gs	Method	GENSCAN
Start	1150	End	3081
GI	none	Score	.58
Exons	1150..1296, 1353..1417, 1677..1751, 2502..3081		

Seq. No.	2628	Seq. ID	OJ991112_16.0104.C8
Gene No.	5450	Strand	-
Start	3192	End	3799
Name	OJ991112_16.0104.C8.o2.gs	Method	GENSCAN

Start	3192	End	3799
GI	none	Score	.58
Exons	3192..3385, 3436..3799		

Seq. No.	2628	Seq. ID	OJ991112_16.0104.C8
Gene No.	5451	Strand	-
Start	4142	End	5828
Name	OJ991112_16.0104.C8.o1.np	Method	AAT/NAP
Start	4142	End	5828
GI	400636	Score	112
Exons	4142..4271, 5805..5828		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 1, CHLOROPLAST gi|320098|pir||JQ1671 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 1 - maize chloroplast gi|12420|emb|CAA44228| (X62370) NADH Dehydrogenase subunit A [Zea mays] gi|902289|emb|CAA60353| (X86563) NADH dehydrogenase ND1 [Zea mays]		

Seq. No.	2628	Seq. ID	OJ991112_16.0104.C8
Gene No.	5452	Strand	-
Start	6957	End	11431
Name	OJ991112_16.0104.C8.o4.gs	Method	GENSCAN
Start	6957	End	10579
GI	none	Score	.9
Exons	6957..7091, 7136..7345, 8685..8759, 8843..8905, 9036..9214, 9372..9513, 9658..10050, 10271..10579		

Seq. No.	2628	Seq. ID	OJ991112_16.0104.C8
Gene No.	5452	Strand	-
Start	6957	End	11431
Name	OJ991112_16.0104.C8.o2.np	Method	AAT/NAP
Start	7088	End	11431
GI	3367638	Score	1364
Exons	7088..7345, 8685..8759, 8843..8905, 9036..9260, 9372..9513, 9608..9769, 9878..10050, 10271..10384, 11242..11431		
GI Descrip.	(AJ000331) monogalactosyldiacylglycerol synthase [Arabidopsis thaliana]		

Seq. No.	2628	Seq. ID	OJ991112_16.0104.C8
Gene No.	5453	Strand	-
Start	13816	End	14752
Name	OJ991112_16.0104.C8.o5.tm	Method	TBLASTX:Maize
Start	3456	End	3808
GI	none	Score	85
Exons	3456..3485, 3575..3748, 3576..3671, 3752..3808		

Seq. No.	2628	Seq. ID	OJ991112_16.0104.C8
Gene No.	5453	Strand	-
Start	13816	End	14752
Name	OJ991112_16.0104.C8.o1.ts	Method	TBLASTX:Soybean
Start	4133	End	4571
GI	none	Score	38
Exons	4133..4180, 4143..4178, 4144..4185, 4163..4216, 4169..4216, 4179..4226, 4212..4385, 4214..4351, 4306..4365, 4445..4480, 4481..4516, 4533..4571		

Seq. No.	2628	Seq. ID	OJ991112_16.0104.C8

Gene No.	5453	Strand	-
Start	13816	End	14752
Name	OJ991112_16.0104.C8.o1.tc	Method	TBLASTX:Cress
Start	7061	End	10372
GI	none	Score	181
Exons	7061..7357, 7104..7349, 8671..8757, 8683..8760, 8685..8762, 8837..8908, 8838..8900, 8839..8916, 9033..9281, 9034..9123, 9078..9263, 9364..9504, 9372..9512, 9402..9542, 9607..9750, 9607..9768, 9611..9772, 9916..10050, 9916..10053, 9929..10051, 10268..10372		

Seq. No.	2628	Seq. ID	OJ991112_16.0104.C8
Gene No.	5453	Strand	-
Start	13816	End	14752
Name	OJ991112_16.0104.C8.o3.tm	Method	TBLASTX:Maize
Start	7083	End	7348
GI	none	Score	37
Exons	7083..7118, 7121..7159, 7122..7157, 7157..7195, 7158..7196, 7193..7252, 7194..7238, 7196..7249, 7235..7348, 7236..7346, 7243..7347, 7253..7348		

Seq. No.	2628	Seq. ID	OJ991112_16.0104.C8
Gene No.	5453	Strand	-
Start	13816	End	14752
Name	OJ991112_16.0104.C8.o4.tm	Method	TBLASTX:Maize
Start	8683	End	8908
GI	none	Score	117
Exons	8683..8760, 8685..8762, 8837..8908, 8838..8903		

Seq. No.	2628	Seq. ID	OJ991112_16.0104.C8
Gene No.	5453	Strand	-
Start	13816	End	14752
Name	OJ991112_16.0104.C8.o1.tm	Method	TBLASTX:Maize
Start	9027	End	9521
GI	none	Score	105
Exons	9027..9263, 9028..9120, 9033..9263, 9370..9513, 9372..9521, 9372..9512		

Seq. No.	2628	Seq. ID	OJ991112_16.0104.C8
Gene No.	5453	Strand	-
Start	13816	End	14752
Name	OJ991112_16.0104.C8.o2.ts	Method	TBLASTX:Soybean
Start	9174	End	9669
GI	none	Score	89
Exons	9174..9284, 9215..9283, 9334..9501, 9372..9512, 9607..9669, 9611..9658		

Seq. No.	2628	Seq. ID	OJ991112_16.0104.C8
Gene No.	5453	Strand	-
Start	13816	End	14752
Name	OJ991112_16.0104.C8.o2.tm	Method	TBLASTX:Maize
Start	9613	End	10372
GI	none	Score	129
Exons	9613..9819, 9614..9796, 9886..10053, 9916..10053, 10268..10372		

Seq. No.	2628	Seq. ID	OJ991112_16.0104.C8
Gene No.	5453	Strand	-

Start	13816	End	14752
Name	OJ991112_16.0104.C8.o5.gs	Method	GENSCAN
Start	13816	End	14752
GI	none	Score	.57
Exons	13816..14084, 14596..14752		

Seq. No.	2629	Seq. ID	OJ991112_16.0104.C9
Gene No.	5454	Strand	+
Start	420	End	2582
Name	OJ991112_16.0104.C9.o1.gs	Method	GENSCAN
Start	420	End	2582
GI	none	Score	.87
Exons	420..498, 991..1274, 1366..1455, 1574..1675, 2343..2582		

Seq. No.	2630	Seq. ID	OJ991112_16.0104.C10
Gene No.	5455	Strand	+
Start	2318	End	2433
Name	OJ991112_16.0104.C10.o1.gs	Method	GENSCAN
Start	2318	End	2433
GI	none	Score	.79
Exons	2318..2433		

Seq. No.	2630	Seq. ID	OJ991112_16.0104.C10
Gene No.	5456	Strand	+
Start	6137	End	7316
Name	OJ991112_16.0104.C10.o2.np	Method	AAT/NAP
Start	6137	End	7316
GI	5042454	Score	577
Exons	6137..6282, 6764..6875, 6929..7316		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	2630	Seq. ID	OJ991112_16.0104.C10
Gene No.	5457	Strand	-
Start	4578	End	5506
Name	OJ991112_16.0104.C10.o1.tm	Method	TBLASTX:Maize
Start	4572	End	4781
GI	none	Score	124
Exons	4572..4766, 4573..4680, 4728..4781		

Seq. No.	2630	Seq. ID	OJ991112_16.0104.C10
Gene No.	5457	Strand	-
Start	4578	End	5506
Name	OJ991112_16.0104.C10.o2.gs	Method	GENSCAN
Start	4578	End	5216
GI	none	Score	1
Exons	4578..5216		

Seq. No.	2630	Seq. ID	OJ991112_16.0104.C10
Gene No.	5457	Strand	-
Start	4578	End	5506
Name	OJ991112_16.0104.C10.o1.np	Method	AAT/NAP
Start	4584	End	5216
GI	4557062	Score	383
Exons	4584..5216		
GI Descrip.	(AC007045) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2630	Seq. ID	OJ991112_16.0104.C10

Gene No.	5457	Strand	-
Start	4578	End	5506
Name	OJ991112_16.0104.C10.o1.ts	Method	TBLASTX:Soybean
Start	4587	End	5494
GI	none	Score	81
Exons	4587..4775, 4854..5024, 4855..5025, 5034..5123, 5145..5216, 5423..5494		

Seq. No.	2630	Seq. ID	OJ991112_16.0104.C10
Gene No.	5457	Strand	-
Start	4578	End	5506
Name	OJ991112_16.0104.C10.o1.gp	Method	AAT/GAP
Start	4710	End	5042
GI	1631462	Score	579
Exons	4710..5042		

Seq. No.	2630	Seq. ID	OJ991112_16.0104.C10
Gene No.	5457	Strand	-
Start	4578	End	5506
Name	OJ991112_16.0104.C10.o2.tm	Method	TBLASTX:Maize
Start	5103	End	5506
GI	none	Score	110
Exons	5103..5210, 5283..5312, 5423..5506		

Seq. No.	2631	Seq. ID	OJ991112_16.0104.C11
Gene No.	5458	Strand	+
Start	1268	End	2036
Name	OJ991112_16.0104.C11.o2.np	Method	AAT/NAP
Start	1268	End	2036
GI	4680183	Score	217
Exons	1268..1338, 1947..2036		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	2631	Seq. ID	OJ991112_16.0104.C11
Gene No.	5459	Strand	-
Start	1	End	496
Name	OJ991112_16.0104.C11.o1.np	Method	AAT/NAP
Start	1	End	496
GI	5042448	Score	787
Exons	1..496		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	2631	Seq. ID	OJ991112_16.0104.C11
Gene No.	5460	Strand	-
Start	4281	End	8843
Name	OJ991112_16.0104.C11.o3.np	Method	AAT/NAP
Start	4281	End	8843
GI	4680179	Score	7856
Exons	4281..8843		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2631	Seq. ID	OJ991112_16.0104.C11
Gene No.	5461	Strand	-
Start	9099	End	9288
Name	OJ991112_16.0104.C11.o7.tm	Method	TBLASTX:Maize
Start	4305	End	4502

GI	none	Score	197
Exons	4305..4502		

Seq. No.	2631	Seq. ID	OJ991112_16.0104.C11
Gene No.	5461	Strand	-
Start	9099	End	9288
Name	OJ991112_16.0104.C11.o6.tw	Method	TBLASTX:Wheat
Start	4326	End	4658
GI	none	Score	126
Exons	4326..4658, 4347..4631		

Seq. No.	2631	Seq. ID	OJ991112_16.0104.C11
Gene No.	5461	Strand	-
Start	9099	End	9288
Name	OJ991112_16.0104.C11.o1.tm	Method	TBLASTX:Maize
Start	4506	End	5105
GI	none	Score	270
Exons	4506..4946, 4519..4944, 4944..5105, 4951..5097		

Seq. No.	2631	Seq. ID	OJ991112_16.0104.C11
Gene No.	5461	Strand	-
Start	9099	End	9288
Name	OJ991112_16.0104.C11.o1.tw	Method	TBLASTX:Wheat
Start	4659	End	5285
GI	none	Score	339
Exons	4659..5285, 4660..5283		

Seq. No.	2631	Seq. ID	OJ991112_16.0104.C11
Gene No.	5461	Strand	-
Start	9099	End	9288
Name	OJ991112_16.0104.C11.o4.tm	Method	TBLASTX:Maize
Start	5154	End	5445
GI	none	Score	256
Exons	5154..5444, 5158..5445		

Seq. No.	2631	Seq. ID	OJ991112_16.0104.C11
Gene No.	5461	Strand	-
Start	9099	End	9288
Name	OJ991112_16.0104.C11.o2.ts	Method	TBLASTX:Soybean
Start	5244	End	5504
GI	none	Score	153
Exons	5244..5504, 5245..5499		

Seq. No.	2631	Seq. ID	OJ991112_16.0104.C11
Gene No.	5461	Strand	-
Start	9099	End	9288
Name	OJ991112_16.0104.C11.o1.tc	Method	TBLASTX:Cress
Start	5268	End	5585
GI	none	Score	91
Exons	5268..5411, 5269..5409, 5412..5585		

Seq. No.	2631	Seq. ID	OJ991112_16.0104.C11
Gene No.	5461	Strand	-
Start	9099	End	9288
Name	OJ991112_16.0104.C11.o3.tw	Method	TBLASTX:Wheat
Start	5292	End	5772
GI	none	Score	313

Exons	5292..5771, 5293..5772		
Seq. No.	2631	Seq. ID	OJ991112_16.0104.C11
Gene No.	5461	Strand	-
Start	9099	End	9288
Name	OJ991112_16.0104.C11.o2.tw	Method	TBLASTX:Wheat
Start	5775	End	6284
GI	none	Score	255
Exons	5775..6284, 5859..6206, 5941..6252		
Seq. No.	2631	Seq. ID	OJ991112_16.0104.C11
Gene No.	5461	Strand	-
Start	9099	End	9288
Name	OJ991112_16.0104.C11.o2.tm	Method	TBLASTX:Maize
Start	5847	End	6212
GI	none	Score	149
Exons	5847..6158, 5859..6212, 5944..6210		
Seq. No.	2631	Seq. ID	OJ991112_16.0104.C11
Gene No.	5461	Strand	-
Start	9099	End	9288
Name	OJ991112_16.0104.C11.o3.ts	Method	TBLASTX:Soybean
Start	6033	End	6278
GI	none	Score	204
Exons	6033..6278		
Seq. No.	2631	Seq. ID	OJ991112_16.0104.C11
Gene No.	5461	Strand	-
Start	9099	End	9288
Name	OJ991112_16.0104.C11.o3.tm	Method	TBLASTX:Maize
Start	6249	End	6749
GI	none	Score	85
Exons	6249..6584, 6258..6497, 6367..6498, 6570..6749		
Seq. No.	2631	Seq. ID	OJ991112_16.0104.C11
Gene No.	5461	Strand	-
Start	9099	End	9288
Name	OJ991112_16.0104.C11.o5.tw	Method	TBLASTX:Wheat
Start	6285	End	6587
GI	none	Score	243
Exons	6285..6587, 6286..6567		
Seq. No.	2631	Seq. ID	OJ991112_16.0104.C11
Gene No.	5461	Strand	-
Start	9099	End	9288
Name	OJ991112_16.0104.C11.o1.ts	Method	TBLASTX:Soybean
Start	6300	End	6695
GI	none	Score	167
Exons	6300..6659, 6301..6564, 6579..6659, 6651..6695, 6663..6695		
Seq. No.	2631	Seq. ID	OJ991112_16.0104.C11
Gene No.	5461	Strand	-
Start	9099	End	9288
Name	OJ991112_16.0104.C11.o4.tw	Method	TBLASTX:Wheat
Start	6636	End	7118
GI	none	Score	155
Exons	6636..7118, 6645..6989, 6679..7014		

Seq. No.	2631	Seq. ID	OJ991112_16.0104.C11
Gene No.	5461	Strand	-
Start	9099	End	9288
Name	OJ991112_16.0104.C11.o4.ts	Method	TBLASTX:Soybean
Start	6768	End	7082
GI	none	Score	59
Exons	6768..7082, 6769..6966		

Seq. No.	2631	Seq. ID	OJ991112_16.0104.C11
Gene No.	5461	Strand	-
Start	9099	End	9288
Name	OJ991112_16.0104.C11.o5.tm	Method	TBLASTX:Maize
Start	6817	End	7106
GI	none	Score	171
Exons	6817..7008, 6819..7106		

Seq. No.	2631	Seq. ID	OJ991112_16.0104.C11
Gene No.	5461	Strand	-
Start	9099	End	9288
Name	OJ991112_16.0104.C11.o8.tw	Method	TBLASTX:Wheat
Start	7275	End	7697
GI	none	Score	112
Exons	7275..7466, 7282..7437, 7348..7488, 7488..7697, 7528..7647		

Seq. No.	2631	Seq. ID	OJ991112_16.0104.C11
Gene No.	5461	Strand	-
Start	9099	End	9288
Name	OJ991112_16.0104.C11.o8.tm	Method	TBLASTX:Maize
Start	7380	End	7700
GI	none	Score	64
Exons	7380..7700, 7555..7647		

Seq. No.	2631	Seq. ID	OJ991112_16.0104.C11
Gene No.	5461	Strand	-
Start	9099	End	9288
Name	OJ991112_16.0104.C11.o6.tm	Method	TBLASTX:Maize
Start	8040	End	8336
GI	none	Score	100
Exons	8040..8336, 8052..8336, 8149..8319		

Seq. No.	2631	Seq. ID	OJ991112_16.0104.C11
Gene No.	5461	Strand	-
Start	9099	End	9288
Name	OJ991112_16.0104.C11.o7.tw	Method	TBLASTX:Wheat
Start	8217	End	8580
GI	none	Score	90
Exons	8217..8576, 8218..8451, 8476..8580		

Seq. No.	2631	Seq. ID	OJ991112_16.0104.C11
Gene No.	5461	Strand	-
Start	9099	End	9288
Name	OJ991112_16.0104.C11.o4.np	Method	AAT/NAP
Start	9099	End	9288
GI	5042448	Score	179
Exons	9099..9288		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type		

retrotransposon [Oryza sativa]

Seq. No.	2632	Seq. ID	OJ991112_16.0104.C12
Gene No.	5462	Strand	+
Start	1	End	1697
Name	OJ991112_16.0104.C12.o1.np	Method	AAT/NAP
Start	1	End	1697
GI	6498441	Score	1173
Exons	1..352, 416..789, 973..1057, 1627..1697		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	2632	Seq. ID	OJ991112_16.0104.C12
Gene No.	5462	Strand	+
Start	1	End	1697
Name	OJ991112_16.0104.C12.o2.tw	Method	TBLASTX:Wheat
Start	4	End	259
GI	none	Score	257
Exons	4..228, 5..259		

Seq. No.	2632	Seq. ID	OJ991112_16.0104.C12
Gene No.	5462	Strand	+
Start	1	End	1697
Name	OJ991112_16.0104.C12.o1.gs	Method	GENSCAN
Start	82	End	1075
GI	none	Score	.72
Exons	82..352, 416..1075		

Seq. No.	2632	Seq. ID	OJ991112_16.0104.C12
Gene No.	5462	Strand	+
Start	1	End	1697
Name	OJ991112_16.0104.C12.o1.tw	Method	TBLASTX:Wheat
Start	423	End	886
GI	none	Score	86
Exons	423..581, 424..879, 425..886		

Seq. No.	2632	Seq. ID	OJ991112_16.0104.C12
Gene No.	5462	Strand	+
Start	1	End	1697
Name	OJ991112_16.0104.C12.o1.ts	Method	TBLASTX:Soybean
Start	464	End	829
GI	none	Score	114
Exons	464..688, 695..829		

Seq. No.	2632	Seq. ID	OJ991112_16.0104.C12
Gene No.	5462	Strand	+
Start	1	End	1697
Name	OJ991112_16.0104.C12.o1.tm	Method	TBLASTX:Maize
Start	554	End	910
GI	none	Score	388
Exons	554..910, 589..900, 794..910		

Seq. No.	2632	Seq. ID	OJ991112_16.0104.C12
Gene No.	5462	Strand	+
Start	1	End	1697
Name	OJ991112_16.0104.C12.o3.tw	Method	TBLASTX:Wheat

Start	887	End	1060
GI	none	Score	194
Exons	887..1060, 895..1059		

Seq. No.	2633	Seq. ID	OJ991112_16.0104.C13
Gene No.	5463	Strand	+
Start	1	End	1480
Name	OJ991112_16.0104.C13.o2.np	Method	AAT/NAP
Start	1	End	1480
GI	5902444	Score	428
Exons	1..39, 257..901, 955..1099, 1157..1480		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	2633	Seq. ID	OJ991112_16.0104.C13
Gene No.	5463	Strand	+
Start	1	End	1480
Name	OJ991112_16.0104.C13.o1.gs	Method	GENSCAN
Start	280	End	1281
GI	none	Score	.57
Exons	280..419, 524..1281		

Seq. No.	2633	Seq. ID	OJ991112_16.0104.C13
Gene No.	5463	Strand	+
Start	1	End	1480
Name	OJ991112_16.0104.C13.o1.np	Method	AAT/NAP
Start	280	End	1480
GI	6498441	Score	1342
Exons	280..1141, 1344..1480		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	2633	Seq. ID	OJ991112_16.0104.C13
Gene No.	5463	Strand	+
Start	1	End	1480
Name	OJ991112_16.0104.C13.o1.tw	Method	TBLASTX:Wheat
Start	329	End	618
GI	none	Score	113
Exons	329..421, 346..384, 430..618, 441..584		

Seq. No.	2633	Seq. ID	OJ991112_16.0104.C13
Gene No.	5463	Strand	+
Start	1	End	1480
Name	OJ991112_16.0104.C13.o2.tw	Method	TBLASTX:Wheat
Start	1229	End	1478
GI	none	Score	196
Exons	1229..1477, 1230..1478		

Seq. No.	2634	Seq. ID	OJ991112_16.0104.C14
Gene No.	5464	Strand	+
Start	682	End	8878
Name	OJ991112_16.0104.C14.o1.gs	Method	GENSCAN
Start	682	End	8878
GI	none	Score	.8
Exons	682..974, 1157..1279, 3323..3452, 3495..4088, 4127..4155, 4379..8878		

Seq. No.	2634	Seq. ID	OJ991112_16.0104.C14
Gene No.	5464	Strand	+
Start	682	End	8878
Name	OJ991112_16.0104.C14.o1.gp	Method	AAT/GAP
Start	2061	End	2445
GI	uC-osf1cyp033a04b1	Score	604
Exons	2061..2445		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	2634	Seq. ID	OJ991112_16.0104.C14
Gene No.	5464	Strand	+
Start	682	End	8878
Name	OJ991112_16.0104.C14.o2.gp	Method	AAT/GAP
Start	3598	End	4052
GI	95437_1.R1084	Score	778
Exons	3598..4052		
GI Descrip.	'4512226/dbj|AB014738.1|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		

Seq. No.	2634	Seq. ID	OJ991112_16.0104.C14
Gene No.	5464	Strand	+
Start	682	End	8878
Name	OJ991112_16.0104.C14.o1.np	Method	AAT/NAP
Start	4376	End	8875
GI	4680179	Score	5439
Exons	4376..5440, 5474..8875		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2634	Seq. ID	OJ991112_16.0104.C14
Gene No.	5464	Strand	+
Start	682	End	8878
Name	OJ991112_16.0104.C14.o9.tw	Method	TBLASTX:Wheat
Start	4601	End	4801
GI	none	Score	213
Exons	4601..4798, 4603..4800, 4692..4799, 4709..4801		

Seq. No.	2634	Seq. ID	OJ991112_16.0104.C14
Gene No.	5464	Strand	+
Start	682	End	8878
Name	OJ991112_16.0104.C14.o7.tw	Method	TBLASTX:Wheat
Start	4834	End	5185
GI	none	Score	61
Exons	4834..5028, 4845..5003, 4850..5185		

Seq. No.	2634	Seq. ID	OJ991112_16.0104.C14
Gene No.	5464	Strand	+
Start	682	End	8878
Name	OJ991112_16.0104.C14.o6.tm	Method	TBLASTX:Maize
Start	4849	End	5140
GI	none	Score	227
Exons	4849..4965, 4850..5140		

Seq. No.	2634	Seq. ID	OJ991112_16.0104.C14
Gene No.	5464	Strand	+
Start	682	End	8878

Name	OJ991112_16.0104.C14.o7.tm	Method	TBLASTX:Maize
Start	5465	End	5818
GI	none	Score	189
Exons	5465..5818		

Seq. No.	2634	Seq. ID	OJ991112_16.0104.C14
Gene No.	5464	Strand	+
Start	682	End	8878
Name	OJ991112_16.0104.C14.o8.tw	Method	TBLASTX:Wheat
Start	5501	End	5938
GI	none	Score	163
Exons	5501..5710, 5557..5709, 5754..5834, 5755..5868, 5756..5923, 5897..5938		

Seq. No.	2634	Seq. ID	OJ991112_16.0104.C14
Gene No.	5464	Strand	+
Start	682	End	8878
Name	OJ991112_16.0104.C14.o4.tw	Method	TBLASTX:Wheat
Start	6034	End	6520
GI	none	Score	542
Exons	6034..6477, 6038..6520, 6152..6517		

Seq. No.	2634	Seq. ID	OJ991112_16.0104.C14
Gene No.	5464	Strand	+
Start	682	End	8878
Name	OJ991112_16.0104.C14.o5.tm	Method	TBLASTX:Maize
Start	6049	End	6339
GI	none	Score	323
Exons	6049..6339, 6050..6337		

Seq. No.	2634	Seq. ID	OJ991112_16.0104.C14
Gene No.	5464	Strand	+
Start	682	End	8878
Name	OJ991112_16.0104.C14.o4.ts	Method	TBLASTX:Soybean
Start	6074	End	6388
GI	none	Score	184
Exons	6074..6388		

Seq. No.	2634	Seq. ID	OJ991112_16.0104.C14
Gene No.	5464	Strand	+
Start	682	End	8878
Name	OJ991112_16.0104.C14.o3.tm	Method	TBLASTX:Maize
Start	6407	End	6907
GI	none	Score	167
Exons	6407..6586, 6415..6561, 6593..6907, 6733..6786, 6814..6864		

Seq. No.	2634	Seq. ID	OJ991112_16.0104.C14
Gene No.	5464	Strand	+
Start	682	End	8878
Name	OJ991112_16.0104.C14.o1.ts	Method	TBLASTX:Soybean
Start	6461	End	6856
GI	none	Score	57
Exons	6461..6493, 6463..6492, 6497..6856, 6499..6537, 6565..6855		

Seq. No.	2634	Seq. ID	OJ991112_16.0104.C14
Gene No.	5464	Strand	+
Start	682	End	8878

Name	OJ991112_16.0104.C14.o5.tw	Method	TBLASTX:Wheat
Start	6569	End	6871
GI	none	Score	382
Exons	6569..6871, 6570..6650, 6571..6855		

Seq. No.	2634	Seq. ID	OJ991112_16.0104.C14
Gene No.	5464	Strand	+
Start	682	End	8878
Name	OJ991112_16.0104.C14.o3.tw	Method	TBLASTX:Wheat
Start	6872	End	7294
GI	none	Score	598
Exons	6872..7294, 6904..7293		

Seq. No.	2634	Seq. ID	OJ991112_16.0104.C14
Gene No.	5464	Strand	+
Start	682	End	8878
Name	OJ991112_16.0104.C14.o3.ts	Method	TBLASTX:Soybean
Start	6878	End	7123
GI	none	Score	207
Exons	6878..7123, 6895..7122		

Seq. No.	2634	Seq. ID	OJ991112_16.0104.C14
Gene No.	5464	Strand	+
Start	682	End	8878
Name	OJ991112_16.0104.C14.o2.tm	Method	TBLASTX:Maize
Start	6943	End	7297
GI	none	Score	482
Exons	6943..7293, 6944..7297		

Seq. No.	2634	Seq. ID	OJ991112_16.0104.C14
Gene No.	5464	Strand	+
Start	682	End	8878
Name	OJ991112_16.0104.C14.o2.tw	Method	TBLASTX:Wheat
Start	7297	End	7864
GI	none	Score	654
Exons	7297..7860, 7328..7864		

Seq. No.	2634	Seq. ID	OJ991112_16.0104.C14
Gene No.	5464	Strand	+
Start	682	End	8878
Name	OJ991112_16.0104.C14.o1.tc	Method	TBLASTX:Cress
Start	7571	End	7888
GI	none	Score	90
Exons	7571..7744, 7745..7888, 7747..7887		

Seq. No.	2634	Seq. ID	OJ991112_16.0104.C14
Gene No.	5464	Strand	+
Start	682	End	8878
Name	OJ991112_16.0104.C14.o2.ts	Method	TBLASTX:Soybean
Start	7652	End	7913
GI	none	Score	297
Exons	7652..7912, 7657..7911, 7782..7913		

Seq. No.	2634	Seq. ID	OJ991112_16.0104.C14
Gene No.	5464	Strand	+
Start	682	End	8878
Name	OJ991112_16.0104.C14.o4.tm	Method	TBLASTX:Maize

Start	7710	End	8002
GI	none	Score	108
Exons	7710..7898, 7711..7998, 7712..8002		

Seq. No.	2634	Seq. ID	OJ991112_16.0104.C14
Gene No.	5464	Strand	+
Start	682	End	8878
Name	OJ991112_16.0104.C14.o1.tw	Method	TBLASTX:Wheat
Start	7871	End	8497
GI	none	Score	707
Exons	7871..8497, 7927..8385, 8372..8494		

Seq. No.	2634	Seq. ID	OJ991112_16.0104.C14
Gene No.	5464	Strand	+
Start	682	End	8878
Name	OJ991112_16.0104.C14.o1.tm	Method	TBLASTX:Maize
Start	8051	End	8650
GI	none	Score	231
Exons	8051..8212, 8053..8205, 8210..8650, 8212..8634		

Seq. No.	2634	Seq. ID	OJ991112_16.0104.C14
Gene No.	5464	Strand	+
Start	682	End	8878
Name	OJ991112_16.0104.C14.o6.tw	Method	TBLASTX:Wheat
Start	8497	End	8830
GI	none	Score	328
Exons	8497..8766, 8498..8830, 8501..8809		

Seq. No.	2635	Seq. ID	OJ991112_16.0104.C15
Gene No.	5465	Strand	+
Start	140	End	412
Name	OJ991112_16.0104.C15.o1.gp	Method	AAT/GAP
Start	140	End	412
GI	uC-osflcyp033a04b1	Score	406
Exons	140..412		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	2635	Seq. ID	OJ991112_16.0104.C15
Gene No.	5466	Strand	+
Start	1223	End	3590
Name	OJ991112_16.0104.C15.o2.np	Method	AAT/NAP
Start	1223	End	3590
GI	5852180	Score	620
Exons	1223..1270, 2268..2385, 2437..2847, 3552..3590		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	2635	Seq. ID	OJ991112_16.0104.C15
Gene No.	5467	Strand	-
Start	69	End	7713
Name	OJ991112_16.0104.C15.o1.np	Method	AAT/NAP
Start	69	End	2022
GI	4680186	Score	182
Exons	69..278, 2001..2022		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	2635	Seq. ID	OJ991112_16.0104.C15

Gene No.	5467	Strand	-
Start	69	End	7713
Name	OJ991112_16.0104.C15.o1.gs	Method	GENSCAN
Start	612	End	1117
GI	none	Score	.5
Exons	612..678, 1041..1117		

Seq. No.	2635	Seq. ID	OJ991112_16.0104.C15
Gene No.	5467	Strand	-
Start	69	End	7713
Name	OJ991112_16.0104.C15.o2.gp	Method	AAT/GAP
Start	1119	End	1503
GI	uC-osf1cyp033a04b1	Score	600
Exons	1119..1503		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	2635	Seq. ID	OJ991112_16.0104.C15
Gene No.	5467	Strand	-
Start	69	End	7713
Name	OJ991112_16.0104.C15.o2.gs	Method	GENSCAN
Start	1922	End	7713
GI	none	Score	.42
Exons	1922..2029, 2290..2412, 2592..2819, 3720..3865, 4377..4547, 5445..5733, 5900..7288, 7582..7713		

Seq. No.	2635	Seq. ID	OJ991112_16.0104.C15
Gene No.	5467	Strand	-
Start	69	End	7713
Name	OJ991112_16.0104.C15.o4.gp	Method	AAT/GAP
Start	1931	End	2856
GI	2428924	Score	600
Exons	1931..2029, 2592..2856		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	2635	Seq. ID	OJ991112_16.0104.C15
Gene No.	5467	Strand	-
Start	69	End	7713
Name	OJ991112_16.0104.C15.o3.np	Method	AAT/NAP
Start	5979	End	7602
GI	729704	Score	83
Exons	5979..6048, 6304..6386, 6629..6685, 6908..7003, 7570..7602		
GI Descrip.	DNA-BINDING PROTEIN HEXBP (HEXAMER-BINDING PROTEIN) gi|1078700|pir||A47156 hexamer-binding protein HEXBP - Leishmania major gi|159342 (M94390) HEXBP DNA binding protein [Leishmania major]		

Seq. No.	2636	Seq. ID	OJ991112_16.0104.C16
Gene No.	5468	Strand	+
Start	2144	End	3902
Name	OJ991112_16.0104.C16.o1.np	Method	AAT/NAP
Start	2144	End	3897
GI	6498441	Score	2170
Exons	2144..2205, 2378..3101, 3273..3897		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type		

retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	2636	Seq. ID	OJ991112_16.0104.C16
Gene No.	5468	Strand	+
Start	2144	End	3902
Name	OJ991112_16.0104.C16.o1.gs	Method	GENSCAN
Start	2499	End	3902
GI	none	Score	.97
Exons	2499..3902		

Seq. No.	2636	Seq. ID	OJ991112_16.0104.C16
Gene No.	5469	Strand	+
Start	4036	End	4147
Name	OJ991112_16.0104.C16.o2.gp	Method	AAT/GAP
Start	4036	End	4147
GI	uC-osflcyp088b12b1	Score	146
Exons	4036..4147		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	2636	Seq. ID	OJ991112_16.0104.C16
Gene No.	5470	Strand	-
Start	464	End	582
Name	OJ991112_16.0104.C16.o1.gp	Method	AAT/GAP
Start	464	End	582
GI	uC-osflcyp033a04b1	Score	173
Exons	464..582		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	2636	Seq. ID	OJ991112_16.0104.C16
Gene No.	5471	Strand	
Start	2146	End	2594
Name	OJ991112_16.0104.C16.o1.tw	Method	TBLASTX:Wheat
Start	2146	End	2510
GI	none	Score	108
Exons	2146..2247, 2147..2242, 2223..2321, 2227..2322, 2304..2510, 2330..2485		

Seq. No.	2636	Seq. ID	OJ991112_16.0104.C16
Gene No.	5471	Strand	
Start	2146	End	2594
Name	OJ991112_16.0104.C16.o2.ts	Method	TBLASTX:Soybean
Start	2171	End	2540
GI	none	Score	71
Exons	2171..2242, 2188..2313, 2310..2540		

Seq. No.	2636	Seq. ID	OJ991112_16.0104.C16
Gene No.	5471	Strand	
Start	2146	End	2594
Name	OJ991112_16.0104.C16.o1.tm	Method	TBLASTX:Maize
Start	2235	End	2594
GI	none	Score	72
Exons	2235..2312, 2239..2319, 2310..2492, 2327..2485, 2511..2594, 2555..2593		

Seq. No.	2636	Seq. ID	OJ991112_16.0104.C16

Gene No.	5472	Strand	
Start	2949	End	3722
Name	OJ991112_16.0104.C16.o2.tw	Method	TBLASTX:Wheat
Start	2949	End	3407
GI	none	Score	53
Exons	2949..3197, 2953..3123, 2973..3197, 3038..3214, 3258..3407, 3267..3392, 3269..3406		

Seq. No.	2636	Seq. ID	OJ991112_16.0104.C16
Gene No.	5472	Strand	
Start	2949	End	3722
Name	OJ991112_16.0104.C16.o1.ts	Method	TBLASTX:Soybean
Start	3096	End	3662
GI	5666795	Score	64
Exons	3096..3194, 3270..3407, 3462..3662		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	2636	Seq. ID	OJ991112_16.0104.C16
Gene No.	5472	Strand	
Start	2949	End	3722
Name	OJ991112_16.0104.C16.o3.tw	Method	TBLASTX:Wheat
Start	3410	End	3722
GI	none	Score	192
Exons	3410..3586, 3462..3722		

Seq. No.	2637	Seq. ID	OJ991112_16.0104.C17
Gene No.	5473	Strand	+
Start	1	End	5642
Name	OJ991112_16.0104.C17.o1.np	Method	AAT/NAP
Start	1	End	5642
GI	5295955	Score	275
Exons	1..272, 709..751, 3642..3759, 4531..4649, 4726..4975, 5079..5156, 5196..5642		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	2637	Seq. ID	OJ991112_16.0104.C17
Gene No.	5474	Strand	-
Start	167	End	5188
Name	OJ991112_16.0104.C17.o1.gs	Method	GENSCAN
Start	167	End	5188
GI	none	Score	.57
Exons	167..314, 635..663, 778..961, 2198..2275, 2560..2645, 4552..4640, 4769..5032, 5119..5188		

Seq. No.	2637	Seq. ID	OJ991112_16.0104.C17
Gene No.	5474	Strand	-
Start	167	End	5188
Name	OJ991112_16.0104.C17.o1.gp	Method	AAT/GAP
Start	2965	End	3074
GI	uC-osf1cyp088b12b1	Score	143
Exons	2965..3074		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	2638	Seq. ID	OJ991112_16.0104.C18
Gene No.	5475	Strand	+

Start	1	End	1365
Name	OJ991112_16.0104.C18.o1.np	Method	AAT/NAP
Start	1	End	1359
GI	6498441	Score	1747
Exons	1..34, 190..984, 1078..1359		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	2638	Seq. ID	OJ991112_16.0104.C18
Gene No.	5475	Strand	+
Start	1	End	1365
Name	OJ991112_16.0104.C18.o1.gs	Method	GENSCAN
Start	203	End	1362
GI	none	Score	.58
Exons	203..682, 718..906, 982..1362		

Seq. No.	2638	Seq. ID	OJ991112_16.0104.C18
Gene No.	5475	Strand	+
Start	1	End	1365
Name	OJ991112_16.0104.C18.o1.tm	Method	TBLASTX:Maize
Start	230	End	592
GI	none	Score	370
Exons	230..553, 259..540, 350..562, 545..592		

Seq. No.	2638	Seq. ID	OJ991112_16.0104.C18
Gene No.	5475	Strand	+
Start	1	End	1365
Name	OJ991112_16.0104.C18.o1.tw	Method	TBLASTX:Wheat
Start	367	End	723
GI	none	Score	364
Exons	367..723, 368..718		

Seq. No.	2638	Seq. ID	OJ991112_16.0104.C18
Gene No.	5475	Strand	+
Start	1	End	1365
Name	OJ991112_16.0104.C18.o2.tw	Method	TBLASTX:Wheat
Start	741	End	1350
GI	none	Score	72
Exons	741..812, 742..1032, 753..1031, 888..1058, 1224..1346, 1225..1350		

Seq. No.	2638	Seq. ID	OJ991112_16.0104.C18
Gene No.	5475	Strand	+
Start	1	End	1365
Name	OJ991112_16.0104.C18.o2.tm	Method	TBLASTX:Maize
Start	1218	End	1365
GI	none	Score	180
Exons	1218..1358, 1219..1365		

Seq. No.	2639	Seq. ID	OJ991202_18.0114.C1
Gene No.	5476	Strand	+
Start	1	End	530
Name	OJ991202_18.0114.C1.o1.np	Method	AAT/NAP
Start	1	End	527
GI	6498436	Score	265
Exons	1..133, 409..527		

GI Descrip. (AP000815) hypothetical protein [Oryza sativa]

Seq. No.	2639	Seq. ID	OJ991202_18.0114.C1
Gene No.	5476	Strand	+
Start	1	End	530
Name	OJ991202_18.0114.C1.o1.gs	Method	GENSCAN
Start	409	End	530
GI	none	Score	.73
Exons	409..530		

Seq. No.	2640	Seq. ID	OJ991202_18.0114.C3
Gene No.	5477	Strand	+
Start	365	End	806
Name	OJ991202_18.0114.C3.o1.gs	Method	GENSCAN
Start	365	End	806
GI	none	Score	.59
Exons	365..435, 462..806		

Seq. No.	2640	Seq. ID	OJ991202_18.0114.C3
Gene No.	5478	Strand	-
Start	1520	End	2835
Name	OJ991202_18.0114.C3.o2.gs	Method	GENSCAN
Start	1520	End	2835
GI	none	Score	.97
Exons	1520..1734, 2245..2378, 2711..2835		

Seq. No.	2641	Seq. ID	OJ991202_18.0114.C4
Gene No.	5479	Strand	+
Start	162	End	2352
Name	OJ991202_18.0114.C4.o1.gs	Method	GENSCAN
Start	162	End	2352
GI	none	Score	.89
Exons	162..401, 494..665, 871..1017, 2315..2352		

Seq. No.	2641	Seq. ID	OJ991202_18.0114.C4
Gene No.	5479	Strand	+
Start	162	End	2352
Name	OJ991202_18.0114.C4.o1.gp	Method	AAT/GAP
Start	1482	End	1863
GI	uC-osf1cyp033a04b1	Score	655
Exons	1482..1863		

GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. No.	2641	Seq. ID	OJ991202_18.0114.C4
Gene No.	5480	Strand	-
Start	125	End	3581
Name	OJ991202_18.0114.C4.o1.np	Method	AAT/NAP
Start	125	End	3581
GI	5852180	Score	464
Exons	125..548, 600..724, 1712..1769, 3531..3581		

GI Descrip. (AL117265) zhb00010.1 [Oryza sativa]

Seq. No.	2642	Seq. ID	OJ991202_18.0114.C5
Gene No.	5481	Strand	+
Start	11045	End	14910
Name	OJ991202_18.0114.C5.o2.gs	Method	GENSCAN

Start	11045	End	14910
GI	none	Score	.72
Exons	11045..11052, 11102..11197, 11203..11356, 13988..14635, 14641..14910		

Seq. No.	2642	Seq. ID	OJ991202_18.0114.C5
Gene No.	5482	Strand	+
Start	19311	End	27894
Name	OJ991202_18.0114.C5.o2.np	Method	AAT/NAP
Start	19311	End	27894
GI	6705984	Score	3568
Exons	19311..19371, 20073..20200, 21302..24017, 27140..27894		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	2642	Seq. ID	OJ991202_18.0114.C5
Gene No.	5482	Strand	+
Start	19311	End	27894
Name	OJ991202_18.0114.C5.o4.gs	Method	GENSCAN
Start	20036	End	25021
GI	none	Score	.43
Exons	20036..20634, 21040..21220, 21995..22345, 22388..22436, 23099..23189, 23325..23650, 23822..23986, 24966..25021		

Seq. No.	2642	Seq. ID	OJ991202_18.0114.C5
Gene No.	5483	Strand	-
Start	7600	End	16021
Name	OJ991202_18.0114.C5.o1.np	Method	AAT/NAP
Start	7600	End	16021
GI	6815052	Score	1909
Exons	7600..7719, 8001..8074, 8156..8890, 8939..9083, 9863..9955, 10815..10914, 11216..11333, 15712..15786, 15868..16021		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	2642	Seq. ID	OJ991202_18.0114.C5
Gene No.	5484	Strand	-
Start	24718	End	25099
Name	OJ991202_18.0114.C5.o1.gp	Method	AAT/GAP
Start	24718	End	25099
GI	uC-osflcyp033a04b1	Score	663
Exons	24718..25099		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	2642	Seq. ID	OJ991202_18.0114.C5
Gene No.	5485	Strand	-
Start	25823	End	27651
Name	OJ991202_18.0114.C5.o3.tw	Method	TBLASTX:Wheat
Start	9144	End	21937
GI	none	Score	70
Exons	9144..9434, 9455..9607, 9459..9638, 16820..17110, 17135..17293, 17135..17314, 21401..21568, 21419..21565, 21590..21937, 21596..21832, 21619..21897		

Seq. No.	2642	Seq. ID	OJ991202_18.0114.C5
Gene No.	5485	Strand	-
Start	25823	End	27651
Name	OJ991202_18.0114.C5.o3.ts	Method	TBLASTX:Soybean

Start	9246	End	21787
GI	none	Score	124
Exons	9246..9440, 9435..9620, 16922..17116, 17111..17296, 21404..21565, 21587..21787		

Seq. No.	2642	Seq. ID	OJ991202_18.0114.C5
Gene No.	5485	Strand	-
Start	25823	End	27651
Name	OJ991202_18.0114.C5.o6.tm	Method	TBLASTX:Maize
Start	9438	End	21568
GI	none	Score	83
Exons	9438..9629, 9459..9638, 17114..17335, 17135..17317, 21345..21506, 21382..21564, 21383..21565, 21401..21568		

Seq. No.	2642	Seq. ID	OJ991202_18.0114.C5
Gene No.	5485	Strand	-
Start	25823	End	27651
Name	OJ991202_18.0114.C5.o5.tm	Method	TBLASTX:Maize
Start	20318	End	20819
GI	none	Score	52
Exons	20318..20407, 20416..20643, 20436..20651, 20439..20639, 20447..20644, 20639..20692, 20640..20693, 20725..20790, 20751..20819, 20751..20819		

Seq. No.	2642	Seq. ID	OJ991202_18.0114.C5
Gene No.	5485	Strand	-
Start	25823	End	27651
Name	OJ991202_18.0114.C5.o2.tw	Method	TBLASTX:Wheat
Start	22307	End	22773
GI	none	Score	289
Exons	22307..22588, 22318..22554, 22319..22576, 22591..22668, 22592..22675, 22675..22773, 22677..22733		

Seq. No.	2642	Seq. ID	OJ991202_18.0114.C5
Gene No.	5485	Strand	-
Start	25823	End	27651
Name	OJ991202_18.0114.C5.o4.ts	Method	TBLASTX:Soybean
Start	22358	End	22740
GI	none	Score	156
Exons	22358..22627, 22423..22623, 22675..22740		

Seq. No.	2642	Seq. ID	OJ991202_18.0114.C5
Gene No.	5485	Strand	-
Start	25823	End	27651
Name	OJ991202_18.0114.C5.o4.tm	Method	TBLASTX:Maize
Start	22927	End	23127
GI	none	Score	55
Exons	22927..22980, 22983..23120, 22984..23127		

Seq. No.	2642	Seq. ID	OJ991202_18.0114.C5
Gene No.	5485	Strand	-
Start	25823	End	27651
Name	OJ991202_18.0114.C5.o5.tw	Method	TBLASTX:Wheat
Start	23083	End	23565
GI	none	Score	50
Exons	23083..23169, 23202..23564, 23242..23565		

Seq. No.	2642	Seq. ID	OJ991202_18.0114.C5
Gene No.	5485	Strand	-
Start	25823	End	27651
Name	OJ991202_18.0114.C5.o1.tm	Method	TBLASTX:Maize
Start	23155	End	23619
GI	none	Score	350
Exons	23155..23619, 23163..23588		

Seq. No.	2642	Seq. ID	OJ991202_18.0114.C5
Gene No.	5485	Strand	-
Start	25823	End	27651
Name	OJ991202_18.0114.C5.o1.ts	Method	TBLASTX:Soybean
Start	23542	End	23889
GI	none	Score	336
Exons	23542..23889, 23550..23888		

Seq. No.	2642	Seq. ID	OJ991202_18.0114.C5
Gene No.	5485	Strand	-
Start	25823	End	27651
Name	OJ991202_18.0114.C5.o4.tw	Method	TBLASTX:Wheat
Start	23614	End	24012
GI	none	Score	298
Exons	23614..24012, 23701..23850		

Seq. No.	2642	Seq. ID	OJ991202_18.0114.C5
Gene No.	5485	Strand	-
Start	25823	End	27651
Name	OJ991202_18.0114.C5.o2.tm	Method	TBLASTX:Maize
Start	23638	End	27329
GI	none	Score	313
Exons	23638..24012, 23703..24014, 27132..27329		

Seq. No.	2642	Seq. ID	OJ991202_18.0114.C5
Gene No.	5485	Strand	-
Start	25823	End	27651
Name	OJ991202_18.0114.C5.o5.gs	Method	GENSCAN
Start	25823	End	26525
GI	none	Score	.71
Exons	25823..26009, 26152..26525		

Seq. No.	2642	Seq. ID	OJ991202_18.0114.C5
Gene No.	5485	Strand	-
Start	25823	End	27651
Name	OJ991202_18.0114.C5.o1.tw	Method	TBLASTX:Wheat
Start	27224	End	27651
GI	none	Score	618
Exons	27224..27649, 27225..27650, 27235..27651		

Seq. No.	2642	Seq. ID	OJ991202_18.0114.C5
Gene No.	5485	Strand	-
Start	25823	End	27651
Name	OJ991202_18.0114.C5.o2.ts	Method	TBLASTX:Soybean
Start	27236	End	27497
GI	none	Score	252
Exons	27236..27421, 27237..27413, 27417..27497, 27419..27487		

Seq. No.	2642	Seq. ID	OJ991202_18.0114.C5

Gene No.	5486	Strand	
Start	27606	End	27894
Name	OJ991202_18.0114.C5.o1.tc	Method	TBLASTX:Cress
Start	27606	End	27894
GI	none	Score	341
Exons	27606..27893, 27638..27892, 27742..27894		

Seq. No.	2642	Seq. ID	OJ991202_18.0114.C5
Gene No.	5486	Strand	
Start	27606	End	27894
Name	OJ991202_18.0114.C5.o3.tm	Method	TBLASTX:Maize
Start	27683	End	27894
GI	none	Score	303
Exons	27683..27892, 27684..27893, 27694..27894		

Seq. No.	2643	Seq. ID	OJ991202_18.0114.C6
Gene No.	5487	Strand	-
Start	38	End	1300
Name	OJ991202_18.0114.C6.o1.gs	Method	GENSCAN
Start	38	End	1300
GI	none	Score	.64
Exons	38..521, 834..911, 989..1300		

Seq. No.	2644	Seq. ID	OJ991202_18.0114.C7
Gene No.	5488	Strand	+
Start	1	End	437
Name	OJ991202_18.0114.C7.o1.np	Method	AAT/NAP
Start	1	End	437
GI	6815052	Score	232
Exons	1..36, 318..437		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	2644	Seq. ID	OJ991202_18.0114.C7
Gene No.	5489	Strand	+
Start	9618	End	10325
Name	OJ991202_18.0114.C7.o2.np	Method	AAT/NAP
Start	9618	End	10325
GI	4680179	Score	896
Exons	9618..10325		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2644	Seq. ID	OJ991202_18.0114.C7
Gene No.	5490	Strand	+
Start	10591	End	13421
Name	OJ991202_18.0114.C7.o3.np	Method	AAT/NAP
Start	10591	End	13421
GI	4544372	Score	992
Exons	10591..11013, 11074..11401, 11522..13421		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	2644	Seq. ID	OJ991202_18.0114.C7
Gene No.	5491	Strand	+
Start	18659	End	18872
Name	OJ991202_18.0114.C7.o4.gs	Method	GENSCAN
Start	18659	End	18872
GI	none	Score	.86

Exons	18659..18872		
Seq. No.	2644	Seq. ID	OJ991202_18.0114.C7
Gene No.	5492	Strand	-
Start	1677	End	2344
Name	OJ991202_18.0114.C7.o1.gp	Method	AAT/GAP
Start	1677	End	2344
GI	20494_3.R1084	Score	979
Exons	1677..2344		
GI Descrip.	'1402876/emb|CAA66826| 2.0e-44 (X98130) putative phosphate permease [Arabidopsis thaliana] >gi_1495255_emb_CAA66116_ (X97484) orf01 [Arabidopsis thaliana]'		
Seq. No.	2644	Seq. ID	OJ991202_18.0114.C7
Gene No.	5493	Strand	-
Start	3022	End	4230
Name	OJ991202_18.0114.C7.o2.gp	Method	AAT/GAP
Start	3022	End	4230
GI	3759000	Score	786
Exons	3022..3328, 4117..4230		
Seq. No.	2644	Seq. ID	OJ991202_18.0114.C7
Gene No.	5494	Strand	-
Start	15526	End	17913
Name	OJ991202_18.0114.C7.o4.tw	Method	TBLASTX:Wheat
Start	4428	End	11787
GI	none	Score	82
Exons	4428..4505, 11353..11442, 11496..11570, 11497..11787, 11622..11702		
Seq. No.	2644	Seq. ID	OJ991202_18.0114.C7
Gene No.	5494	Strand	-
Start	15526	End	17913
Name	OJ991202_18.0114.C7.o2.tm	Method	TBLASTX:Maize
Start	9633	End	10079
GI	none	Score	455
Exons	9633..10079, 9662..9850, 9822..10076		
Seq. No.	2644	Seq. ID	OJ991202_18.0114.C7
Gene No.	5494	Strand	-
Start	15526	End	17913
Name	OJ991202_18.0114.C7.o3.tw	Method	TBLASTX:Wheat
Start	9657	End	13091
GI	none	Score	207
Exons	9657..9854, 9662..9850, 12672..13091		
Seq. No.	2644	Seq. ID	OJ991202_18.0114.C7
Gene No.	5494	Strand	-
Start	15526	End	17913
Name	OJ991202_18.0114.C7.o1.tw	Method	TBLASTX:Wheat
Start	9858	End	10280
GI	none	Score	388
Exons	9858..10280, 9902..10216		
Seq. No.	2644	Seq. ID	OJ991202_18.0114.C7
Gene No.	5494	Strand	-
Start	15526	End	17913

Name	OJ991202_18.0114.C7.o1.tm	Method	TBLASTX:Maize
Start	10598	End	11001
GI	none	Score	120
Exons	10598..10792, 10599..10775, 10600..11001, 10659..11000		

Seq. No.	2644	Seq. ID	OJ991202_18.0114.C7
Gene No.	5494	Strand	-
Start	15526	End	17913
Name	OJ991202_18.0114.C7.o2.tw	Method	TBLASTX:Wheat
Start	10645	End	11070
GI	none	Score	225
Exons	10645..10992, 10744..10839, 10969..11070		

Seq. No.	2644	Seq. ID	OJ991202_18.0114.C7
Gene No.	5494	Strand	-
Start	15526	End	17913
Name	OJ991202_18.0114.C7.o2.ts	Method	TBLASTX:Soybean
Start	10687	End	11156
GI	none	Score	219
Exons	10687..10968, 10717..10839, 10722..10979, 10969..11154, 11010..11156		

Seq. No.	2644	Seq. ID	OJ991202_18.0114.C7
Gene No.	5494	Strand	-
Start	15526	End	17913
Name	OJ991202_18.0114.C7.o1.ts	Method	TBLASTX:Soybean
Start	11307	End	11723
GI	none	Score	81
Exons	11307..11441, 11307..11441, 11308..11451, 11308..11445, 11481..11567, 11482..11721, 11622..11723		

Seq. No.	2644	Seq. ID	OJ991202_18.0114.C7
Gene No.	5494	Strand	-
Start	15526	End	17913
Name	OJ991202_18.0114.C7.o3.tm	Method	TBLASTX:Maize
Start	12282	End	12590
GI	none	Score	195
Exons	12282..12590		

Seq. No.	2644	Seq. ID	OJ991202_18.0114.C7
Gene No.	5494	Strand	-
Start	15526	End	17913
Name	OJ991202_18.0114.C7.o3.ts	Method	TBLASTX:Soybean
Start	12444	End	12839
GI	none	Score	239
Exons	12444..12839, 12545..12721		

Seq. No.	2644	Seq. ID	OJ991202_18.0114.C7
Gene No.	5494	Strand	-
Start	15526	End	17913
Name	OJ991202_18.0114.C7.o4.ts	Method	TBLASTX:Soybean
Start	13182	End	13438
GI	none	Score	235
Exons	13182..13427, 13226..13312, 13382..13438		

Seq. No.	2644	Seq. ID	OJ991202_18.0114.C7
Gene No.	5494	Strand	-

Start	15526	End	17913
Name	OJ991202_18.0114.C7.o3.gs	Method	GENSCAN
Start	15526	End	17913
GI	none	Score	.79
Exons	15526..15699, 15785..15928, 16502..16547, 17882..17913		

Seq. No.	2645	Seq. ID	OJ991202_18.0114.C8
Gene No.	5495	Strand	+
Start	27	End	1745
Name	OJ991202_18.0114.C8.o1.np	Method	AAT/NAP
Start	27	End	1745
GI	6907087	Score	528
Exons	27..1103, 1644..1745		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2645	Seq. ID	OJ991202_18.0114.C8
Gene No.	5496	Strand	+
Start	6816	End	7901
Name	OJ991202_18.0114.C8.o3.gs	Method	GENSCAN
Start	6816	End	7901
GI	none	Score	.61
Exons	6816..7129, 7247..7618, 7639..7738, 7791..7901		

Seq. No.	2645	Seq. ID	OJ991202_18.0114.C8
Gene No.	5497	Strand	+
Start	11459	End	17648
Name	OJ991202_18.0114.C8.o5.gs	Method	GENSCAN
Start	11459	End	17439
GI	none	Score	.53
Exons	11459..11485, 12165..12408, 14043..14618, 15236..15363, 15773..15851, 16526..17439		

Seq. No.	2645	Seq. ID	OJ991202_18.0114.C8
Gene No.	5497	Strand	+
Start	11459	End	17648
Name	OJ991202_18.0114.C8.o3.np	Method	AAT/NAP
Start	13963	End	17648
GI	6730668	Score	962
Exons	13963..14618, 15236..15363, 15626..15851, 16235..16362, 16435..16510, 17622..17648		
GI Descrip.	(AC007945) F28C11.3 [Arabidopsis thaliana]		

Seq. No.	2645	Seq. ID	OJ991202_18.0114.C8
Gene No.	5497	Strand	+
Start	11459	End	17648
Name	OJ991202_18.0114.C8.o1.gp	Method	AAT/GAP
Start	15235	End	15861
GI	LIB3432-016-P1-K1-G11	Score	656
Exons	15235..15363, 15626..15861		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	2645	Seq. ID	OJ991202_18.0114.C8
Gene No.	5498	Strand	-
Start	1638	End	4085

Name	OJ991202_18.0114.C8.o2.gs	Method	GENSCAN
Start	1638	End	2248
GI	none	Score	.73
Exons	1638..1744, 2188..2248		

Seq. No.	2645	Seq. ID	OJ991202_18.0114.C8
Gene No.	5498	Strand	-
Start	1638	End	4085
Name	OJ991202_18.0114.C8.o2.np	Method	AAT/NAP
Start	2136	End	4085
GI	4680186	Score	227
Exons	2136..2341, 3963..4085		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	2645	Seq. ID	OJ991202_18.0114.C8
Gene No.	5499	Strand	
Start	13993	End	14395
Name	OJ991202_18.0114.C8.o1.tm	Method	TBLASTX:Maize
Start	13993	End	14383
GI	none	Score	401
Exons	13993..14382, 13994..14383		

Seq. No.	2645	Seq. ID	OJ991202_18.0114.C8
Gene No.	5499	Strand	
Start	13993	End	14395
Name	OJ991202_18.0114.C8.o3.tc	Method	TBLASTX:Cress
Start	14225	End	14395
GI	none	Score	188
Exons	14225..14395, 14236..14379		

Seq. No.	2645	Seq. ID	OJ991202_18.0114.C8
Gene No.	5500	Strand	
Start	14366	End	15859
Name	OJ991202_18.0114.C8.o2.ts	Method	TBLASTX:Soybean
Start	14366	End	15369
GI	none	Score	41
Exons	14366..14413, 14428..14508, 14516..14620, 14527..14637, 15234..15353, 15235..15369		

Seq. No.	2645	Seq. ID	OJ991202_18.0114.C8
Gene No.	5500	Strand	
Start	14366	End	15859
Name	OJ991202_18.0114.C8.o2.tm	Method	TBLASTX:Maize
Start	14461	End	15859
GI	none	Score	146
Exons	14461..14601, 14461..14637, 14489..14620, 15234..15365, 15235..15369, 15241..15375, 15619..15852, 15623..15859		

Seq. No.	2645	Seq. ID	OJ991202_18.0114.C8
Gene No.	5500	Strand	
Start	14366	End	15859
Name	OJ991202_18.0114.C8.o1.tc	Method	TBLASTX:Cress
Start	14516	End	15371
GI	none	Score	79
Exons	14516..14620, 15224..15289, 15234..15371, 15235..15369		

Seq. No.	2645	Seq. ID	OJ991202_18.0114.C8

Gene No.	5500	Strand	
Start	14366	End	15859
Name	OJ991202_18.0114.C8.o1.ts	Method	TBLASTX:Soybean
Start	15629	End	15859
GI	none	Score	295
Exons	15629..15859, 15637..15855		

Seq. No.	2645	Seq. ID	OJ991202_18.0114.C8
Gene No.	5500	Strand	
Start	14366	End	15859
Name	OJ991202_18.0114.C8.o2.tc	Method	TBLASTX:Cress
Start	15665	End	15850
GI	none	Score	189
Exons	15665..15850		

Seq. No.	2645	Seq. ID	OJ991202_18.0114.C8
Gene No.	5501	Strand	
Start	16387	End	16578
Name	OJ991202_18.0114.C8.o4.tm	Method	TBLASTX:Maize
Start	16387	End	16578
GI	none	Score	186
Exons	16387..16578, 16401..16526		

Seq. No.	2645	Seq. ID	OJ991202_18.0114.C8
Gene No.	5502	Strand	
Start	16744	End	17461
Name	OJ991202_18.0114.C8.o3.tm	Method	TBLASTX:Maize
Start	16744	End	17461
GI	none	Score	66
Exons	16744..16821, 16986..17027, 17062..17232, 17068..17232, 17072..17236, 17081..17239, 17236..17340, 17310..17354, 17353..17439, 17353..17418, 17366..17419, 17367..17441, 17435..17461		

Seq. No.	2646	Seq. ID	OJ991202_18.0114.C9
Gene No.	5503	Strand	+
Start	1	End	5581
Name	OJ991202_18.0114.C9.o1.np	Method	AAT/NAP
Start	1	End	5581
GI	6721516	Score	315
Exons	1..44, 740..870, 2204..2318, 2711..2994, 5445..5581		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	2646	Seq. ID	OJ991202_18.0114.C9
Gene No.	5504	Strand	-
Start	1487	End	2056
Name	OJ991202_18.0114.C9.o1.gp	Method	AAT/GAP
Start	1487	End	2056
GI	4879016	Score	869
Exons	1487..2056		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	2647	Seq. ID	OJ991202_18.0114.C10
Gene No.	5505	Strand	+
Start	1	End	1204

Name	OJ991202_18.0114.C10.o2.np	Method	AAT/NAP
Start	1	End	1204
GI	4680183	Score	126
Exons	1..25, 1115..1204		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	2647	Seq. ID	OJ991202_18.0114.C10
Gene No.	5505	Strand	+
Start	1	End	1204
Name	OJ991202_18.0114.C10.o1.gs	Method	GENSCAN
Start	129	End	915
GI	none	Score	.46
Exons	129..198, 848..915		

Seq. No.	2647	Seq. ID	OJ991202_18.0114.C10
Gene No.	5506	Strand	-
Start	1	End	1082
Name	OJ991202_18.0114.C10.o1.np	Method	AAT/NAP
Start	1	End	1082
GI	6721561	Score	104
Exons	1..47, 440..530, 997..1082		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2647	Seq. ID	OJ991202_18.0114.C10
Gene No.	5507	Strand	-
Start	1879	End	2889
Name	OJ991202_18.0114.C10.o2.gs	Method	GENSCAN
Start	1879	End	2812
GI	none	Score	.87
Exons	1879..2403, 2497..2681, 2722..2812		

Seq. No.	2647	Seq. ID	OJ991202_18.0114.C10
Gene No.	5507	Strand	-
Start	1879	End	2889
Name	OJ991202_18.0114.C10.o3.np	Method	AAT/NAP
Start	2215	End	2889
GI	4539386	Score	106
Exons	2215..2889		
GI Descrip.	(AL035526) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	2648	Seq. ID	OJ991202_18.0114.C11
Gene No.	5508	Strand	+
Start	144	End	201
Name	OJ991202_18.0114.C11.o1.gs	Method	GENSCAN
Start	144	End	201
GI	none	Score	.98
Exons	144..201		

Seq. No.	2648	Seq. ID	OJ991202_18.0114.C11
Gene No.	5509	Strand	-
Start	1	End	371
Name	OJ991202_18.0114.C11.o1.np	Method	AAT/NAP
Start	1	End	371

GI	6523547	Score	100
Exons	1..371		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	2649	Seq. ID	OJ991202_18.0114.C12
Gene No.	5510	Strand	-
Start	1843	End	2192
Name	OJ991202_18.0114.C12.o1.gs	Method	GENSCAN
Start	1843	End	2192
GI	none	Score	.56
Exons	1843..2004, 2067..2192		

Seq. No.	2650	Seq. ID	OJ991202_18.0114.C13
Gene No.	5511	Strand	-
Start	596	End	630
Name	OJ991202_18.0114.C13.o1.gs	Method	GENSCAN
Start	596	End	630
GI	none	Score	.47
Exons	596..630		

Seq. No.	2650	Seq. ID	OJ991202_18.0114.C13
Gene No.	5512	Strand	-
Start	789	End	1052
Name	OJ991202_18.0114.C13.o1.np	Method	AAT/NAP
Start	789	End	1052
GI	6063554	Score	134
Exons	789..961, 1009..1052		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2651	Seq. ID	OJ991202_18.0114.C14
Gene No.	5513	Strand	+
Start	309	End	389
Name	OJ991202_18.0114.C14.o1.gs	Method	GENSCAN
Start	309	End	389
GI	none	Score	.41
Exons	309..389		

Seq. No.	2651	Seq. ID	OJ991202_18.0114.C14
Gene No.	5514	Strand	-
Start	1	End	525
Name	OJ991202_18.0114.C14.o1.np	Method	AAT/NAP
Start	1	End	525
GI	4680179	Score	745
Exons	1..525		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2651	Seq. ID	OJ991202_18.0114.C14
Gene No.	5514	Strand	-
Start	1	End	525
Name	OJ991202_18.0114.C14.o1.tm	Method	TBLASTX:Maize
Start	1	End	524
GI	none	Score	90
Exons	1..237, 2..139, 237..416, 256..402, 414..467, 430..468, 471..524, 479..523		

Seq. No.	2651	Seq. ID	OJ991202_18.0114.C14
Gene No.	5514	Strand	-
Start	1	End	525
Name	OJ991202_18.0114.C14.o2.tw	Method	TBLASTX:Wheat
Start	4	End	130
GI	none	Score	117
Exons	4..129, 5..130		

Seq. No.	2651	Seq. ID	OJ991202_18.0114.C14
Gene No.	5514	Strand	-
Start	1	End	525
Name	OJ991202_18.0114.C14.o1.tw	Method	TBLASTX:Wheat
Start	130	End	523
GI	none	Score	78
Exons	130..237, 237..473, 240..464, 247..474, 479..523, 485..517		

Seq. No.	2652	Seq. ID	OJ991202_18.0114.C15
Gene No.	5515	Strand	-
Start	1	End	458
Name	OJ991202_18.0114.C15.o1.np	Method	AAT/NAP
Start	1	End	458
GI	3980412	Score	169
Exons	1..99, 244..458		
GI Descrip.	(AC004561) putative pumilio/Mpt5 family RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	2652	Seq. ID	OJ991202_18.0114.C15
Gene No.	5515	Strand	-
Start	1	End	458
Name	OJ991202_18.0114.C15.o1.gs	Method	GENSCAN
Start	8	End	400
GI	none	Score	.71
Exons	8..115, 268..400		

Seq. No.	2652	Seq. ID	OJ991202_18.0114.C15
Gene No.	5515	Strand	-
Start	1	End	458
Name	OJ991202_18.0114.C15.o1.tc	Method	TBLASTX:Cress
Start	8	End	406
GI	none	Score	57
Exons	8..91, 8..106, 11..61, 237..320, 239..406, 239..394, 241..402		

Seq. No.	2653	Seq. ID	OJ991202_18.0114.C16
Gene No.	5516	Strand	-
Start	131	End	251
Name	OJ991202_18.0114.C16.o1.gs	Method	GENSCAN
Start	131	End	251
GI	none	Score	.95
Exons	131..251		

Seq. No.	2654	Seq. ID	OJ991202_18.0114.C18
Gene No.	5517	Strand	-
Start	1	End	1364
Name	OJ991202_18.0114.C18.o1.np	Method	AAT/NAP
Start	1	End	1364
GI	6691193	Score	1172

Exons	1..1364		
GI Descrip.	(AC007534) F7F22.17 [Arabidopsis thaliana]		
Seq. No.	2654	Seq. ID	OJ991202_18.0114.C18
Gene No.	5517	Strand	-
Start	1	End	1364
Name	OJ991202_18.0114.C18.o1.tw	Method	TBLASTX:Wheat
Start	9	End	431
GI	none	Score	238
Exons	9..431, 10..315, 24..413, 379..429		
Seq. No.	2654	Seq. ID	OJ991202_18.0114.C18
Gene No.	5517	Strand	-
Start	1	End	1364
Name	OJ991202_18.0114.C18.o2.ts	Method	TBLASTX:Soybean
Start	22	End	278
GI	none	Score	117
Exons	22..240, 24..233, 219..278		
Seq. No.	2654	Seq. ID	OJ991202_18.0114.C18
Gene No.	5517	Strand	-
Start	1	End	1364
Name	OJ991202_18.0114.C18.o1.gs	Method	GENSCAN
Start	225	End	1224
GI	none	Score	.51
Exons	225..364, 745..1047, 1120..1224		
Seq. No.	2654	Seq. ID	OJ991202_18.0114.C18
Gene No.	5517	Strand	-
Start	1	End	1364
Name	OJ991202_18.0114.C18.o1.tm	Method	TBLASTX:Maize
Start	282	End	644
GI	none	Score	219
Exons	282..644		
Seq. No.	2654	Seq. ID	OJ991202_18.0114.C18
Gene No.	5517	Strand	-
Start	1	End	1364
Name	OJ991202_18.0114.C18.o1.ts	Method	TBLASTX:Soybean
Start	507	End	931
GI	none	Score	79
Exons	507..701, 519..716, 725..931, 726..905		
Seq. No.	2654	Seq. ID	OJ991202_18.0114.C18
Gene No.	5517	Strand	-
Start	1	End	1364
Name	OJ991202_18.0114.C18.o2.tw	Method	TBLASTX:Wheat
Start	528	End	931
GI	none	Score	85
Exons	528..701, 637..732, 723..914, 725..931		
Seq. No.	2655	Seq. ID	OJ991202_18.0114.C19
Gene No.	5518	Strand	-
Start	521	End	1392
Name	OJ991202_18.0114.C19.o2.np	Method	AAT/NAP
Start	521	End	1392
GI	5852181	Score	103

Exons	521..691, 1352..1392		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		
Seq. No.	2656	Seq. ID	OJ991202_18.0114.C21
Gene No.	5519	Strand	-
Start	218	End	631
Name	OJ991202_18.0114.C21.o1.gs	Method	GENSCAN
Start	218	End	631
GI	none	Score	.98
Exons	218..631		
Seq. No.	2657	Seq. ID	OJ991202_18.0114.C22
Gene No.	5520	Strand	+
Start	1	End	227
Name	OJ991202_18.0114.C22.o1.np	Method	AAT/NAP
Start	1	End	227
GI	6721516	Score	128
Exons	1..227		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	2658	Seq. ID	OJ991202_18.0114.C26
Gene No.	5521	Strand	+
Start	1	End	649
Name	OJ991202_18.0114.C26.o1.np	Method	AAT/NAP
Start	1	End	649
GI	4680204	Score	182
Exons	1..521, 613..649		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		
Seq. No.	2658	Seq. ID	OJ991202_18.0114.C26
Gene No.	5521	Strand	+
Start	1	End	649
Name	OJ991202_18.0114.C26.o1.gs	Method	GENSCAN
Start	156	End	521
GI	none	Score	.66
Exons	156..521		
Seq. No.	2659	Seq. ID	OJ991202_18.0114.C27
Gene No.	5522	Strand	+
Start	262	End	638
Name	OJ991202_18.0114.C27.o1.gs	Method	GENSCAN
Start	262	End	638
GI	none	Score	.9
Exons	262..434, 528..638		
Seq. No.	2660	Seq. ID	OJ991202_18.0114.C29
Gene No.	5523	Strand	+
Start	1	End	213
Name	OJ991202_18.0114.C29.o1.np	Method	AAT/NAP
Start	1	End	213
GI	6721516	Score	269
Exons	1..213		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	2661	Seq. ID	OJ991202_18.0114.C32
Gene No.	5524	Strand	-
Start	682	End	1172

Name	OJ991202_18.0114.C32.o1.tm	Method	TBLASTX:Maize
Start	664	End	884
GI	none	Score	53
Exons	664..711, 678..755, 686..871, 757..882, 759..884, 762..884	692..757, 694..768, 757..882,	

Seq. No.	2661	Seq. ID	OJ991202_18.0114.C32
Gene No.	5524	Strand	-
Start	682	End	1172
Name	OJ991202_18.0114.C32.o1.gp	Method	AAT/GAP
Start	682	End	1172
GI	none	Score	894
Exons	682..1172		

Seq. No.	2662	Seq. ID	OJ991202_18.0114.C37
Gene No.	5525	Strand	-
Start	1	End	694
Name	OJ991202_18.0114.C37.o1.np	Method	AAT/NAP
Start	1	End	694
GI	6691191	Score	588
Exons	1..694		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	2662	Seq. ID	OJ991202_18.0114.C37
Gene No.	5525	Strand	-
Start	1	End	694
Name	OJ991202_18.0114.C37.o2.tw	Method	TBLASTX:Wheat
Start	1	End	271
GI	none	Score	126
Exons	1..270, 68..271		

Seq. No.	2662	Seq. ID	OJ991202_18.0114.C37
Gene No.	5525	Strand	-
Start	1	End	694
Name	OJ991202_18.0114.C37.o1.ts	Method	TBLASTX:Soybean
Start	1	End	315
GI	none	Score	171
Exons	1..315, 2..289		

Seq. No.	2662	Seq. ID	OJ991202_18.0114.C37
Gene No.	5525	Strand	-
Start	1	End	694
Name	OJ991202_18.0114.C37.o1.tw	Method	TBLASTX:Wheat
Start	271	End	647
GI	none	Score	45
Exons	271..438, 447..602, 579..647		

Seq. No.	2662	Seq. ID	OJ991202_18.0114.C37
Gene No.	5525	Strand	-
Start	1	End	694
Name	OJ991202_18.0114.C37.o1.tc	Method	TBLASTX:Cress
Start	310	End	611
GI	none	Score	59
Exons	310..441, 311..442, 447..611		

Seq. No.	2663	Seq. ID	OJ991202_18.0114.C38
Gene No.	5526	Strand	+

Start	1	End	303
Name	OJ991202_18.0114.C38.o1.gs	Method	GENSCAN
Start	1	End	303
GI	none	Score	.54
Exons	1..303		

Seq. No.	2664	Seq. ID	OJ991202_18.0114.C41
Gene No.	5527	Strand	+
Start	1	End	728
Name	OJ991202_18.0114.C41.o1.np	Method	AAT/NAP
Start	1	End	728
GI	6705984	Score	435
Exons	1..273, 701..728		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	2664	Seq. ID	OJ991202_18.0114.C41
Gene No.	5527	Strand	+
Start	1	End	728
Name	OJ991202_18.0114.C41.o2.np	Method	AAT/NAP
Start	1	End	728
GI	4539658	Score	236
Exons	1..40, 386..515, 557..728		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	2664	Seq. ID	OJ991202_18.0114.C41
Gene No.	5527	Strand	+
Start	1	End	728
Name	OJ991202_18.0114.C41.o1.gp	Method	AAT/GAP
Start	273	End	510
GI	LIB3475-004-P1-K2-A5	Score	365
Exons	273..510		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	2664	Seq. ID	OJ991202_18.0114.C41
Gene No.	5528	Strand	-
Start	200	End	273
Name	OJ991202_18.0114.C41.o1.tw	Method	TBLASTX:Wheat
Start	1	End	273
GI	none	Score	336
Exons	1..273, 6..266, 11..271		

Seq. No.	2664	Seq. ID	OJ991202_18.0114.C41
Gene No.	5528	Strand	-
Start	200	End	273
Name	OJ991202_18.0114.C41.o1.tm	Method	TBLASTX:Maize
Start	3	End	256
GI	none	Score	380
Exons	3..251, 4..252, 8..256		

Seq. No.	2664	Seq. ID	OJ991202_18.0114.C41
Gene No.	5528	Strand	-
Start	200	End	273
Name	OJ991202_18.0114.C41.o1.tc	Method	TBLASTX:Cress
Start	6	End	189
GI	none	Score	246

Exons	6..188, 10..189		
Seq. No.	2664	Seq. ID	OJ991202_18.0114.C41
Gene No.	5528	Strand	-
Start	200	End	273
Name	OJ991202_18.0114.C41.o1.gs	Method	GENSCAN
Start	200	End	267
GI	none	Score	.62
Exons	200..267		
Seq. No.	2665	Seq. ID	OJ991202_18.0114.C42
Gene No.	5529	Strand	+
Start	1	End	6164
Name	OJ991202_18.0114.C42.o1.np	Method	AAT/NAP
Start	1	End	1621
GI	4539658	Score	201
Exons	1..38, 1295..1425, 1467..1621		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		
Seq. No.	2665	Seq. ID	OJ991202_18.0114.C42
Gene No.	5529	Strand	+
Start	1	End	6164
Name	OJ991202_18.0114.C42.o3.np	Method	AAT/NAP
Start	1	End	2740
GI	6705984	Score	966
Exons	1..25, 2031..2740		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		
Seq. No.	2665	Seq. ID	OJ991202_18.0114.C42
Gene No.	5529	Strand	+
Start	1	End	6164
Name	OJ991202_18.0114.C42.o1.gs	Method	GENSCAN
Start	13	End	5023
GI	none	Score	.63
Exons	13..106, 2151..2287, 2303..2474, 2914..3028, 3683..3830, 4509..4645, 4831..5023		
Seq. No.	2665	Seq. ID	OJ991202_18.0114.C42
Gene No.	5529	Strand	+
Start	1	End	6164
Name	OJ991202_18.0114.C42.o2.np	Method	AAT/NAP
Start	190	End	5667
GI	4539658	Score	203
Exons	190..253, 1294..1425, 1467..1636, 5642..5667		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		
Seq. No.	2665	Seq. ID	OJ991202_18.0114.C42
Gene No.	5529	Strand	+
Start	1	End	6164
Name	OJ991202_18.0114.C42.o4.tm	Method	TBLASTX:Maize
Start	1252	End	2022
GI	none	Score	82
Exons	1252..1326, 1252..1314, 1311..1385, 1318..1371, 1323..1379, 1682..1804, 1682..1795, 1683..1811, 1696..1812, 1800..1853, 1804..1872, 1855..1908, 1855..1902, 1880..1957, 1893..1997,		

1896..2021, 1901..2005, 1906..2022

Seq. No.	2665	Seq. ID	OJ991202_18.0114.C42
Gene No.	5529	Strand	+
Start	1	End	6164
Name	OJ991202_18.0114.C42.o3.tm	Method	TBLASTX:Maize
Start	2029	End	2314
GI	none	Score	191
Exons	2029..2169, 2030..2314		

Seq. No.	2665	Seq. ID	OJ991202_18.0114.C42
Gene No.	5529	Strand	+
Start	1	End	6164
Name	OJ991202_18.0114.C42.o1.tw	Method	TBLASTX:Wheat
Start	2153	End	2554
GI	none	Score	480
Exons	2153..2551, 2153..2554		

Seq. No.	2665	Seq. ID	OJ991202_18.0114.C42
Gene No.	5529	Strand	+
Start	1	End	6164
Name	OJ991202_18.0114.C42.o2.tm	Method	TBLASTX:Maize
Start	2319	End	2545
GI	none	Score	95
Exons	2319..2537, 2323..2454, 2324..2545, 2324..2539, 2506..2544		

Seq. No.	2665	Seq. ID	OJ991202_18.0114.C42
Gene No.	5529	Strand	+
Start	1	End	6164
Name	OJ991202_18.0114.C42.o1.tm	Method	TBLASTX:Maize
Start	2546	End	3076
GI	none	Score	312
Exons	2546..2788, 2547..2732, 2548..2781, 2797..2853, 2798..2872, 2897..2950, 2942..3070, 2963..3076, 2974..3075		

Seq. No.	2665	Seq. ID	OJ991202_18.0114.C42
Gene No.	5529	Strand	+
Start	1	End	6164
Name	OJ991202_18.0114.C42.o4.np	Method	AAT/NAP
Start	3786	End	6164
GI	6815052	Score	111
Exons	3786..3843, 4574..4626, 6037..6164		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	2666	Seq. ID	OJ991202_18.0114.C45
Gene No.	5530	Strand	+
Start	1	End	516
Name	OJ991202_18.0114.C45.o1.np	Method	AAT/NAP
Start	1	End	516
GI	4512231	Score	779
Exons	1..516		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	2666	Seq. ID	OJ991202_18.0114.C45
Gene No.	5530	Strand	+
Start	1	End	516
Name	OJ991202_18.0114.C45.o1.gs	Method	GENSCAN

Start	113	End	514
GI	none	Score	.71
Exons	113..514		

Seq. No.	2667	Seq. ID	OJ991202_18.0114.C46
Gene No.	5531	Strand	+
Start	1	End	815
Name	OJ991202_18.0114.C46.o1.np	Method	AAT/NAP
Start	1	End	815
GI	4680179	Score	1048
Exons	1..815		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2667	Seq. ID	OJ991202_18.0114.C46
Gene No.	5531	Strand	+
Start	1	End	815
Name	OJ991202_18.0114.C46.o2.tm	Method	TBLASTX:Maize
Start	176	End	367
GI	none	Score	173
Exons	176..367, 214..321		

Seq. No.	2667	Seq. ID	OJ991202_18.0114.C46
Gene No.	5531	Strand	+
Start	1	End	815
Name	OJ991202_18.0114.C46.o1.tw	Method	TBLASTX:Wheat
Start	304	End	787
GI	none	Score	535
Exons	304..744, 305..787, 329..784		

Seq. No.	2667	Seq. ID	OJ991202_18.0114.C46
Gene No.	5531	Strand	+
Start	1	End	815
Name	OJ991202_18.0114.C46.o1.ts	Method	TBLASTX:Soybean
Start	341	End	655
GI	none	Score	193
Exons	341..655		

Seq. No.	2667	Seq. ID	OJ991202_18.0114.C46
Gene No.	5531	Strand	+
Start	1	End	815
Name	OJ991202_18.0114.C46.o1.tm	Method	TBLASTX:Maize
Start	370	End	811
GI	none	Score	365
Exons	370..612, 374..811		

Seq. No.	2668	Seq. ID	OJ991202_18.0114.C47
Gene No.	5532	Strand	+
Start	371	End	1093
Name	OJ991202_18.0114.C47.o1.gs	Method	GENSCAN
Start	371	End	1093
GI	none	Score	.64
Exons	371..481, 531..740, 964..1093		

Seq. No.	2669	Seq. ID	OJ991202_18.0114.C49
Gene No.	5533	Strand	-
Start	1	End	258
Name	OJ991202_18.0114.C49.o1.gp	Method	AAT/GAP

Start	1	End	258
GI	45924_1.R1084	Score	195
Exons	1..114, 238..258		
GI Descrip.	'6063530/dbj|AP000615.1|AP000615 2.0e-19 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01'		

Seq. No.	2670	Seq. ID	OJ991202_18.0114.C50
Gene No.	5534	Strand	-
Start	1	End	294
Name	OJ991202_18.0114.C50.o1.gp	Method	AAT/GAP
Start	1	End	294
GI	2315_5.R1084	Score	347
Exons	1..294		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	2671	Seq. ID	OJ991202_18.0114.C51
Gene No.	5535	Strand	-
Start	1	End	118
Name	OJ991202_18.0114.C51.o1.np	Method	AAT/NAP
Start	1	End	118
GI	6815053	Score	168
Exons	1..118		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	2672	Seq. ID	OJ991202_18.0114.C52
Gene No.	5536	Strand	-
Start	83	End	2088
Name	OJ991202_18.0114.C52.o1.np	Method	AAT/NAP
Start	83	End	587
GI	4680199	Score	162
Exons	83..587		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	2672	Seq. ID	OJ991202_18.0114.C52
Gene No.	5536	Strand	-
Start	83	End	2088
Name	OJ991202_18.0114.C52.o1.gs	Method	GENSCAN
Start	330	End	2088
GI	none	Score	.55
Exons	330..592, 674..939, 2070..2088		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5537	Strand	+
Start	13534	End	15655
Name	OJ991202_15.0118.C1.o3.gs	Method	GENSCAN
Start	13534	End	15655
GI	none	Score	.53
Exons	13534..13671, 14343..14696, 15641..15655		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5538	Strand	+
Start	23177	End	24716
Name	OJ991202_15.0118.C1.o5.gs	Method	GENSCAN
Start	23177	End	24716
GI	none	Score	.46
Exons	23177..23263, 24110..24461, 24544..24716		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5539	Strand	+
Start	34310	End	37553
Name	OJ991202_15.0118.C1.o7.gs	Method	GENSCAN
Start	34310	End	37553
GI	none	Score	.82
Exons	34310..35004, 35080..35144, 35174..35499, 35586..36333, 36408..36608, 36711..36860, 36928..37032, 37105..37553		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5539	Strand	+
Start	34310	End	37553
Name	OJ991202_15.0118.C1.o6.np	Method	AAT/NAP
Start	34613	End	37550
GI	6691716	Score	2355
Exons	34613..35485, 35683..35875, 35957..36077, 36171..36333, 36408..36595, 36671..36774, 36920..37032, 37105..37550		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5540	Strand	-
Start	7215	End	12696
Name	OJ991202_15.0118.C1.o1.np	Method	AAT/NAP
Start	7212	End	9604
GI	2459433	Score	239
Exons	7212..7491, 7759..7838, 9407..9604		
GI Descrip.	(AC002332) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5540	Strand	-
Start	7215	End	12696
Name	OJ991202_15.0118.C1.o2.gs	Method	GENSCAN
Start	7215	End	12696
GI	none	Score	.77
Exons	7215..7838, 9407..9853, 12477..12569, 12625..12696		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5541	Strand	-
Start	12797	End	14654
Name	OJ991202_15.0118.C1.o2.np	Method	AAT/NAP
Start	12797	End	14654
GI	5042448	Score	159
Exons	12797..12816, 14450..14654		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5542	Strand	-
Start	17366	End	29556
Name	OJ991202_15.0118.C1.o4.np	Method	AAT/NAP
Start	16330	End	29261
GI	1402890	Score	743
Exons	16330..16369, 20620..21383, 29073..29261		
GI Descrip.	(X98130) unknown [Arabidopsis thaliana]		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5542	Strand	-
Start	17366	End	29556
Name	OJ991202_15.0118.C1.o2.gp	Method	AAT/GAP
Start	17056	End	17776
GI	none	Score	1118
Exons	17056..17523, 17632..17776		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5542	Strand	-
Start	17366	End	29556
Name	OJ991202_15.0118.C1.o4.gs	Method	GENSCAN
Start	17366	End	22820
GI	none	Score	.82
Exons	17366..17523, 17632..17793, 17998..18130, 19576..19680, 19754..19856, 20168..20256, 20343..20488, 20624..20837, 21138..21305, 21384..21596, 21721..21767, 22420..22465, 22719..22820		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5542	Strand	-
Start	17366	End	29556
Name	OJ991202_15.0118.C1.o3.np	Method	AAT/NAP
Start	17435	End	19834
GI	1402891	Score	283
Exons	17435..17523, 17622..17793, 17998..18130, 19576..19680, 19754..19834		
GI Descrip.	(X98130) unknown [Arabidopsis thaliana]		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5542	Strand	-
Start	17366	End	29556
Name	OJ991202_15.0118.C1.o3.gp	Method	AAT/GAP
Start	20648	End	21189
GI	LIB3477-007-P1-K1-E7	Score	1036
Exons	20648..21189		
GI Descrip.	'1402890/emb|CAA66822| 1.0e-56 (X98130) unknown [Arabidopsis thaliana]'		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5542	Strand	-
Start	17366	End	29556
Name	OJ991202_15.0118.C1.o4.gp	Method	AAT/GAP
Start	21409	End	22955
GI	none	Score	900
Exons	21409..21596, 21721..21767, 22719..22955		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5542	Strand	-
Start	17366	End	29556
Name	OJ991202_15.0118.C1.o6.gs	Method	GENSCAN
Start	25747	End	29556
GI	none	Score	.95
Exons	25747..26081, 28442..28561, 28767..29556		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1

Gene No.	5542	Strand	-
Start	17366	End	29556
Name	OJ991202_15.0118.C1.o5.np	Method	AAT/NAP
Start	28999	End	29535
GI	4263796	Score	132
Exons	28999..29365, 29412..29535		
GI Descrip.	(AC006068) unknown protein [Arabidopsis thaliana]		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5543	Strand	-
Start	33153	End	33300
Name	OJ991202_15.0118.C1.o5.gp	Method	AAT/GAP
Start	33153	End	33300
GI	uC-osflcyp177g01a1	Score	239
Exons	33153..33300		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5544	Strand	-
Start	37906	End	43512
Name	OJ991202_15.0118.C1.o7.np	Method	AAT/NAP
Start	37906	End	43512
GI	5922631	Score	6221
Exons	37906..40433, 41040..41963, 42090..42241, 42284..43129, 43388..43512		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190
Name	OJ991202_15.0118.C1.o2.tc	Method	TBLASTX:Cress
Start	16082	End	48345
GI	none	Score	72
Exons	16082..16144, 47905..48042, 47910..48041, 48057..48329, 48262..48345		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190
Name	OJ991202_15.0118.C1.o2.tm	Method	TBLASTX:Maize
Start	17290	End	20967
GI	none	Score	42
Exons	17290..17316, 17290..17313, 17355..17459, 17361..17453, 17468..17524, 17469..17525, 17601..17795, 17630..17794, 17647..17799, 17998..18030, 17999..18055, 18044..18133, 18044..18130, 19574..19681, 19575..19682, 19576..19689, 19621..19692, 19754..19876, 19758..19868, 20167..20259, 20168..20257, 20171..20269, 20172..20258, 20173..20259, 20340..20495, 20341..20496, 20382..20498, 20492..20689, 20497..20688, 20498..20689, 20499..20699, 20506..20742,		

20679..20822, 20685..20831, 20692..20844, 20805..20966, 20806..20967

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190
Name	OJ991202_15.0118.C1.o1.tc	Method	TBLASTX:Cress
Start	17675	End	19858
GI	none	Score	92
Exons	17675..17770, 17756..17797, 19573..19683, 19574..19675, 19712..19858, 19758..19850		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190
Name	OJ991202_15.0118.C1.o2.ts	Method	TBLASTX:Soybean
Start	19574	End	21137
GI	none	Score	99
Exons	19574..19681, 19576..19689, 19621..19686, 19751..19870, 19761..19859, 20161..20259, 20162..20251, 20178..20258, 20610..20822, 20614..20823, 20815..21135, 20817..21137, 20877..21137		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190
Name	OJ991202_15.0118.C1.o5.tm	Method	TBLASTX:Maize
Start	20968	End	21233
GI	none	Score	280
Exons	20968..21156, 20968..21231, 20969..21232, 20970..21230, 20970..21233, 21199..21231		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190
Name	OJ991202_15.0118.C1.o7.ts	Method	TBLASTX:Soybean
Start	21137	End	21401
GI	none	Score	136
Exons	21137..21283, 21138..21281, 21138..21317, 21139..21282, 21146..21283, 21267..21401, 21268..21375		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190
Name	OJ991202_15.0118.C1.o12.tw	Method	TBLASTX:Wheat
Start	34733	End	35020
GI	none	Score	212
Exons	34733..35020		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190
Name	OJ991202_15.0118.C1.o6.tw	Method	TBLASTX:Wheat
Start	37882	End	38496
GI	none	Score	80
Exons	37882..38019, 38005..38163, 38218..38496, 38234..38335, 38387..38473		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190
Name	OJ991202_15.0118.C1.o9.tm	Method	TBLASTX:Maize
Start	37921	End	38154
GI	none	Score	104
Exons	37921..38022, 37922..38023, 38002..38154, 38003..38062		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190
Name	OJ991202_15.0118.C1.o3.tm	Method	TBLASTX:Maize
Start	38398	End	48539
GI	none	Score	50
Exons	38398..38541, 47904..48056, 48051..48101, 48051..48461, 48052..48387, 48156..48434, 48471..48539, 48472..48534		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190
Name	OJ991202_15.0118.C1.o4.tw	Method	TBLASTX:Wheat
Start	38611	End	38998
GI	none	Score	104
Exons	38611..38802, 38611..38997, 38687..38998		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190
Name	OJ991202_15.0118.C1.o6.tm	Method	TBLASTX:Maize
Start	38641	End	39004
GI	none	Score	67
Exons	38641..38688, 38642..38689, 38660..38983, 38680..39003, 38693..39004		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190
Name	OJ991202_15.0118.C1.o14.tw	Method	TBLASTX:Wheat
Start	39001	End	39300
GI	none	Score	134
Exons	39001..39141, 39166..39300		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190
Name	OJ991202_15.0118.C1.o10.tm	Method	TBLASTX:Maize
Start	39232	End	39486
GI	none	Score	193
Exons	39232..39486		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190
Name	OJ991202_15.0118.C1.o5.tw	Method	TBLASTX:Wheat
Start	39316	End	39738
GI	none	Score	270

Exons	39316..39738, 39326..39730		
Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190
Name	OJ991202_15.0118.C1.o6.ts	Method	TBLASTX:Soybean
Start	39359	End	39747
GI	none	Score	155
Exons	39359..39739, 39361..39747		
Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190
Name	OJ991202_15.0118.C1.o10.tw	Method	TBLASTX:Wheat
Start	39742	End	40024
GI	none	Score	71
Exons	39742..40023, 39754..39888, 39947..40024		
Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190
Name	OJ991202_15.0118.C1.o8.tm	Method	TBLASTX:Maize
Start	39862	End	40306
GI	none	Score	89
Exons	39862..39888, 39886..40029, 39899..40030, 40051..40305, 40052..40306		
Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190
Name	OJ991202_15.0118.C1.o4.ts	Method	TBLASTX:Soybean
Start	39973	End	40374
GI	none	Score	45
Exons	39973..40374, 40007..40177, 40214..40357		
Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190
Name	OJ991202_15.0118.C1.o3.tw	Method	TBLASTX:Wheat
Start	40028	End	40452
GI	none	Score	295
Exons	40028..40408, 40028..40387, 40033..40452		
Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190
Name	OJ991202_15.0118.C1.o7.tm	Method	TBLASTX:Maize
Start	40537	End	40893
GI	none	Score	214
Exons	40537..40893, 40547..40852		
Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190
Name	OJ991202_15.0118.C1.o1.tw	Method	TBLASTX:Wheat
Start	40567	End	41023
GI	none	Score	267

Exons	40567..41022, 40568..41023		
Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190
Name	OJ991202_15.0118.C1.o8.ts	Method	TBLASTX:Soybean
Start	40618	End	40983
GI	none	Score	138
Exons	40618..40752, 40759..40983		
Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190
Name	OJ991202_15.0118.C1.o7.tw	Method	TBLASTX:Wheat
Start	41243	End	41700
GI	none	Score	154
Exons	41243..41479, 41245..41475, 41524..41700		
Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190
Name	OJ991202_15.0118.C1.o9.tw	Method	TBLASTX:Wheat
Start	42277	End	42679
GI	none	Score	117
Exons	42277..42678, 42410..42679		
Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190
Name	OJ991202_15.0118.C1.o8.np	Method	AAT/NAP
Start	43591	End	45273
GI	6539588	Score	245
Exons	43591..43633, 44967..45273		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190
Name	OJ991202_15.0118.C1.o9.gs	Method	GENSCAN
Start	45005	End	49187
GI	none	Score	.71
Exons	45005..45214, 45602..45696, 46871..46994, 47595..47833, 47879..48091, 48368..49187		
Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190
Name	OJ991202_15.0118.C1.o3.ts	Method	TBLASTX:Soybean
Start	46001	End	46669
GI	none	Score	101
Exons	46001..46261, 46280..46669, 46323..46565		
Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190
Name	OJ991202_15.0118.C1.o9.np	Method	AAT/NAP
Start	46013	End	49190

GI	3645899	Score	2394
Exons	46013..49190		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190
Name	OJ991202_15.0118.C1.o1.tm	Method	TBLASTX:Maize
Start	46031	End	46687
GI	none	Score	137
Exons	46031..46687, 46046..46399, 46173..46679		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190
Name	OJ991202_15.0118.C1.o4.tc	Method	TBLASTX:Cress
Start	46031	End	46396
GI	none	Score	90
Exons	46031..46276, 46265..46396		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190
Name	OJ991202_15.0118.C1.o13.tw	Method	TBLASTX:Wheat
Start	46076	End	46396
GI	none	Score	86
Exons	46076..46267, 46076..46252, 46271..46396		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190
Name	OJ991202_15.0118.C1.o11.tw	Method	TBLASTX:Wheat
Start	46433	End	46855
GI	none	Score	93
Exons	46433..46690, 46715..46855		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190
Name	OJ991202_15.0118.C1.o4.tm	Method	TBLASTX:Maize
Start	46940	End	47379
GI	none	Score	36
Exons	46940..46993, 46941..47378, 47001..47225, 47005..47379		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190
Name	OJ991202_15.0118.C1.o1.ts	Method	TBLASTX:Soybean
Start	47041	End	47654
GI	5509260	Score	203
Exons	47041..47298, 47046..47582, 47344..47565, 47361..47591, 47604..47654		
GI Descrip.	-		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190

Name	OJ991202_15.0118.C1.o2.tw	Method	TBLASTX:Wheat
Start	47049	End	47525
GI	none	Score	104
Exons	47049..47228, 47055..47456, 47062..47235, 47276..47308, 47344..47394, 47436..47525, 47442..47507		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190
Name	OJ991202_15.0118.C1.o3.tc	Method	TBLASTX:Cress
Start	47169	End	47420
GI	none	Score	215
Exons	47169..47420		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190
Name	OJ991202_15.0118.C1.o5.ts	Method	TBLASTX:Soybean
Start	47904	End	48365
GI	none	Score	141
Exons	47904..48032, 48054..48365, 48061..48345, 48168..48347		

Seq. No.	2673	Seq. ID	OJ991202_15.0118.C1
Gene No.	5545	Strand	-
Start	43591	End	49190
Name	OJ991202_15.0118.C1.o8.tw	Method	TBLASTX:Wheat
Start	48207	End	48764
GI	none	Score	136
Exons	48207..48494, 48208..48381, 48216..48386, 48534..48764		

Seq. No.	2674	Seq. ID	OJ991202_15.0118.C2
Gene No.	5546	Strand	-
Start	14	End	3636
Name	OJ991202_15.0118.C2.o1.gs	Method	GENSCAN
Start	14	End	3636
GI	none	Score	.83
Exons	14..1243, 1358..2006, 2335..2670, 3569..3636		

Seq. No.	2674	Seq. ID	OJ991202_15.0118.C2
Gene No.	5546	Strand	-
Start	14	End	3636
Name	OJ991202_15.0118.C2.o1.np	Method	AAT/NAP
Start	2590	End	3117
GI	6539585	Score	122
Exons	2590..2663, 2946..3117		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	2674	Seq. ID	OJ991202_15.0118.C2
Gene No.	5546	Strand	-
Start	14	End	3636
Name	OJ991202_15.0118.C2.o2.np	Method	AAT/NAP
Start	3247	End	3358
GI	6539588	Score	63
Exons	3247..3358		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	2675	Seq. ID	OJ991202_15.0118.C3

Gene No.	5547	Strand	+
Start	9553	End	10783
Name	OJ991202_15.0118.C3.o3.gs	Method	GENSCAN
Start	9553	End	10783
GI	none	Score	.73
Exons	9553..10110, 10190..10595, 10656..10783		

Seq. No.	2675	Seq. ID	OJ991202_15.0118.C3
Gene No.	5548	Strand	-
Start	10613	End	11335
Name	OJ991202_15.0118.C3.o1.np	Method	AAT/NAP
Start	10613	End	11335
GI	6815052	Score	386
Exons	10613..10734, 11015..11087, 11169..11335		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	2675	Seq. ID	OJ991202_15.0118.C3
Gene No.	5549	Strand	-
Start	11912	End	12415
Name	OJ991202_15.0118.C3.o2.gp	Method	AAT/GAP
Start	11912	End	12415
GI	uC-osf1M202069b02a1	Score	793
Exons	11912..12164, 12259..12415		
GI Descrip.	'4895179/gb|AAD32766.1|AC007661_3 3.0e-47 (AC007661) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	2675	Seq. ID	OJ991202_15.0118.C3
Gene No.	5549	Strand	-
Start	11912	End	12415
Name	OJ991202_15.0118.C3.o1.ts	Method	TBLASTX:Soybean
Start	12052	End	12388
GI	none	Score	68
Exons	12052..12165, 12078..12167, 12250..12381, 12256..12387, 12257..12388		

Seq. No.	2675	Seq. ID	OJ991202_15.0118.C3
Gene No.	5549	Strand	-
Start	11912	End	12415
Name	OJ991202_15.0118.C3.o1.tc	Method	TBLASTX:Cress
Start	12067	End	12327
GI	none	Score	87
Exons	12067..12171, 12081..12167, 12256..12324, 12259..12327		

Seq. No.	2676	Seq. ID	OJ991202_15.0118.C4
Gene No.	5550	Strand	+
Start	3098	End	6256
Name	OJ991202_15.0118.C4.o1.np	Method	AAT/NAP
Start	2809	End	5672
GI	6498436	Score	278
Exons	2809..2922, 5070..5342, 5549..5672		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	2676	Seq. ID	OJ991202_15.0118.C4
Gene No.	5550	Strand	+
Start	3098	End	6256
Name	OJ991202_15.0118.C4.o2.gs	Method	GENSCAN
Start	3098	End	6256

GI	none	Score	.89
Exons	3098..3440, 5551..5715, 6183..6256		

Seq. No.	2676	Seq. ID	OJ991202_15.0118.C4
Gene No.	5551	Strand	+
Start	11980	End	12447
Name	OJ991202_15.0118.C4.o5.gs	Method	GENSCAN
Start	11980	End	12447
GI	none	Score	1
Exons	11980..12447		

Seq. No.	2676	Seq. ID	OJ991202_15.0118.C4
Gene No.	5552	Strand	+
Start	19258	End	22410
Name	OJ991202_15.0118.C4.o8.gs	Method	GENSCAN
Start	19258	End	20831
GI	none	Score	.67
Exons	19258..19470, 19833..20095, 20625..20693, 20729..20831		

Seq. No.	2676	Seq. ID	OJ991202_15.0118.C4
Gene No.	5552	Strand	+
Start	19258	End	22410
Name	OJ991202_15.0118.C4.o4.np	Method	AAT/NAP
Start	19911	End	21327
GI	6176571	Score	141
Exons	19911..19982, 21163..21327		
GI Descrip.	HYPOTHETICAL 14.9 KD PROTEIN YCF72 (ORF137) gi|82519|pir||JQ0269 hypothetical 15K protein (trnH-trnV intergenic region) - rice chloroplast gi|12029|emb|CAA33937| (X15901) ORF137 [Oryza sativa] gi|12073|emb|CAA33925| (X15901) ORF137 [Oryza sativa] gi|226651|prf||1603356CB ORF 137 [Oryza sativa]		

Seq. No.	2676	Seq. ID	OJ991202_15.0118.C4
Gene No.	5552	Strand	+
Start	19258	End	22410
Name	OJ991202_15.0118.C4.o3.np	Method	AAT/NAP
Start	20898	End	22410
GI	629811	Score	92
Exons	20898..20999, 22391..22410		
GI Descrip.	hypothetical protein 33 (coxI 5' region) - rice mitochondrion gi|870713 (M57903) unknown protein [Oryza sativa]		

Seq. No.	2676	Seq. ID	OJ991202_15.0118.C4
Gene No.	5553	Strand	-
Start	9704	End	10108
Name	OJ991202_15.0118.C4.o2.np	Method	AAT/NAP
Start	9704	End	10108
GI	2462640	Score	515
Exons	9704..10108		
GI Descrip.	(Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	2676	Seq. ID	OJ991202_15.0118.C4
Gene No.	5554	Strand	-
Start	12670	End	13620
Name	OJ991202_15.0118.C4.o6.gs	Method	GENSCAN
Start	12670	End	13620
GI	none	Score	.62

Exons	12670..12699, 12788..12939, 13404..13620		
Seq. No.	2676	Seq. ID	OJ991202_15.0118.C4
Gene No.	5555	Strand	-
Start	18295	End	18875
Name	OJ991202_15.0118.C4.o7.gs	Method	GENSCAN
Start	18295	End	18875
GI	none	Score	.69
Exons	18295..18327, 18383..18508, 18834..18875		
Seq. No.	2676	Seq. ID	OJ991202_15.0118.C4
Gene No.	5556	Strand	-
Start	21767	End	22187
Name	OJ991202_15.0118.C4.o9.gs	Method	GENSCAN
Start	21767	End	22187
GI	none	Score	.72
Exons	21767..21987, 21992..22187		
Seq. No.	2676	Seq. ID	OJ991202_15.0118.C4
Gene No.	5557	Strand	-
Start	34932	End	35518
Name	OJ991202_15.0118.C4.o3.tm	Method	TBLASTX:Maize
Start	8205	End	8583
GI	none	Score	71
Exons	8205..8486, 8461..8583		
Seq. No.	2676	Seq. ID	OJ991202_15.0118.C4
Gene No.	5557	Strand	-
Start	34932	End	35518
Name	OJ991202_15.0118.C4.o2.tm	Method	TBLASTX:Maize
Start	8770	End	9153
GI	none	Score	56
Exons	8770..8886, 8804..8881, 8890..8943, 8950..9153, 8960..9082		
Seq. No.	2676	Seq. ID	OJ991202_15.0118.C4
Gene No.	5557	Strand	-
Start	34932	End	35518
Name	OJ991202_15.0118.C4.o1.tw	Method	TBLASTX:Wheat
Start	8827	End	9118
GI	none	Score	172
Exons	8827..9111, 8828..9118		
Seq. No.	2676	Seq. ID	OJ991202_15.0118.C4
Gene No.	5557	Strand	-
Start	34932	End	35518
Name	OJ991202_15.0118.C4.o1.tm	Method	TBLASTX:Maize
Start	9154	End	10072
GI	none	Score	70
Exons	9154..9273, 9293..9475, 9476..9601, 9650..10072, 9651..9734		
Seq. No.	2676	Seq. ID	OJ991202_15.0118.C4
Gene No.	5557	Strand	-
Start	34932	End	35518
Name	OJ991202_15.0118.C4.o2.tw	Method	TBLASTX:Wheat
Start	21132	End	21274
GI	none	Score	187
Exons	21132..21269, 21161..21274, 21163..21273		

Seq. No.	2676	Seq. ID	OJ991202_15.0118.C4
Gene No.	5557	Strand	-
Start	34932	End	35518
Name	OJ991202_15.0118.C4.o4.tm	Method	TBLASTX:Maize
Start	21132	End	21274
GI	none	Score	186
Exons	21132..21269, 21161..21274, 21163..21273		

Seq. No.	2676	Seq. ID	OJ991202_15.0118.C4
Gene No.	5557	Strand	-
Start	34932	End	35518
Name	OJ991202_15.0118.C4.o11.gs	Method	GENSCAN
Start	34932	End	35518
GI	none	Score	.98
Exons	34932..35518		

Seq. No.	2677	Seq. ID	OJ991202_17.0114.C1
Gene No.	5558	Strand	-
Start	289	End	899
Name	OJ991202_17.0114.C1.o1.gs	Method	GENSCAN
Start	289	End	867
GI	none	Score	.48
Exons	289..867		

Seq. No.	2677	Seq. ID	OJ991202_17.0114.C1
Gene No.	5558	Strand	-
Start	289	End	899
Name	OJ991202_17.0114.C1.o1.np	Method	AAT/NAP
Start	384	End	899
GI	5091513	Score	757
Exons	384..899		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	2678	Seq. ID	OJ991202_17.0114.C2
Gene No.	5559	Strand	-
Start	1	End	611
Name	OJ991202_17.0114.C2.o1.np	Method	AAT/NAP
Start	1	End	611
GI	5091513	Score	782
Exons	1..611		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	2678	Seq. ID	OJ991202_17.0114.C2
Gene No.	5559	Strand	-
Start	1	End	611
Name	OJ991202_17.0114.C2.o1.gs	Method	GENSCAN
Start	42	End	390
GI	none	Score	.73
Exons	42..390		

Seq. No.	2679	Seq. ID	OJ991202_17.0114.C3
Gene No.	5560	Strand	+
Start	1865	End	3319
Name	OJ991202_17.0114.C3.o1.gs	Method	GENSCAN
Start	1865	End	3319
GI	none	Score	.6

Exons	1865..2288, 2582..2829, 3092..3319		
Seq. No.	2679	Seq. ID	OJ991202_17.0114.C3
Gene No.	5561	Strand	+
Start	5282	End	7094
Name	OJ991202_17.0114.C3.o3.gs	Method	GENSCAN
Start	5282	End	7094
GI	none	Score	.71
Exons	5282..5367, 6214..6466, 6520..6612, 6978..7094		
Seq. No.	2679	Seq. ID	OJ991202_17.0114.C3
Gene No.	5562	Strand	+
Start	7207	End	7638
Name	OJ991202_17.0114.C3.o1.gp	Method	AAT/GAP
Start	7207	End	7638
GI	2428185	Score	717
Exons	7207..7638		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		
Seq. No.	2679	Seq. ID	OJ991202_17.0114.C3
Gene No.	5563	Strand	+
Start	25523	End	26801
Name	OJ991202_17.0114.C3.o7.gs	Method	GENSCAN
Start	25523	End	26801
GI	none	Score	.57
Exons	25523..25890, 26158..26361, 26455..26580, 26585..26801		
Seq. No.	2679	Seq. ID	OJ991202_17.0114.C3
Gene No.	5564	Strand	-
Start	3515	End	12391
Name	OJ991202_17.0114.C3.o2.gs	Method	GENSCAN
Start	3515	End	5170
GI	none	Score	.56
Exons	3515..4257, 4317..4362, 4391..5170		
Seq. No.	2679	Seq. ID	OJ991202_17.0114.C3
Gene No.	5564	Strand	-
Start	3515	End	12391
Name	OJ991202_17.0114.C3.o1.np	Method	AAT/NAP
Start	3518	End	11852
GI	6498441	Score	5076
Exons	3518..3799, 3893..5301, 8472..9102, 9276..9410, 9593..9966, 10006..10455, 10788..11852		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	2679	Seq. ID	OJ991202_17.0114.C3
Gene No.	5564	Strand	-
Start	3515	End	12391
Name	OJ991202_17.0114.C3.o4.gs	Method	GENSCAN
Start	7465	End	12391
GI	none	Score	.62
Exons	7465..7598, 7864..7979, 8659..8768, 9098..9464, 9593..9886, 10021..10336, 10480..11230, 11330..12391		

Seq. No.	2679	Seq. ID	OJ991202_17.0114.C3
Gene No.	5565	Strand	-
Start	21933	End	23170
Name	OJ991202_17.0114.C3.o2.tw	Method	TBLASTX:Wheat
Start	3527	End	4136
GI	none	Score	76
Exons	3527..3652, 3531..3653, 3667..3990, 3683..4135, 3840..3986, 3900..4136, 4026..4124		

Seq. No.	2679	Seq. ID	OJ991202_17.0114.C3
Gene No.	5565	Strand	-
Start	21933	End	23170
Name	OJ991202_17.0114.C3.o4.tm	Method	TBLASTX:Maize
Start	3650	End	3913
GI	none	Score	222
Exons	3650..3913		

Seq. No.	2679	Seq. ID	OJ991202_17.0114.C3
Gene No.	5565	Strand	-
Start	21933	End	23170
Name	OJ991202_17.0114.C3.o4.tw	Method	TBLASTX:Wheat
Start	4143	End	4511
GI	none	Score	208
Exons	4143..4511, 4157..4510		

Seq. No.	2679	Seq. ID	OJ991202_17.0114.C3
Gene No.	5565	Strand	-
Start	21933	End	23170
Name	OJ991202_17.0114.C3.o1.tm	Method	TBLASTX:Maize
Start	4316	End	4648
GI	none	Score	177
Exons	4316..4648, 4338..4535		

Seq. No.	2679	Seq. ID	OJ991202_17.0114.C3
Gene No.	5565	Strand	-
Start	21933	End	23170
Name	OJ991202_17.0114.C3.o5.tw	Method	TBLASTX:Wheat
Start	5003	End	5485
GI	none	Score	150
Exons	5003..5290, 5085..5333, 5366..5482, 5367..5477, 5381..5485		

Seq. No.	2679	Seq. ID	OJ991202_17.0114.C3
Gene No.	5565	Strand	-
Start	21933	End	23170
Name	OJ991202_17.0114.C3.o2.ts	Method	TBLASTX:Soybean
Start	5057	End	5485
GI	none	Score	90
Exons	5057..5290, 5387..5485		

Seq. No.	2679	Seq. ID	OJ991202_17.0114.C3
Gene No.	5565	Strand	-
Start	21933	End	23170
Name	OJ991202_17.0114.C3.o8.tw	Method	TBLASTX:Wheat
Start	8477	End	8733
GI	none	Score	118
Exons	8477..8659, 8482..8733		

Seq. No.	2679	Seq. ID	OJ991202_17.0114.C3
Gene No.	5565	Strand	-
Start	21933	End	23170
Name	OJ991202_17.0114.C3.o1.ts	Method	TBLASTX:Soybean
Start	8941	End	9310
GI	none	Score	150
Exons	8941..8991, 8973..9116, 9134..9310		

Seq. No.	2679	Seq. ID	OJ991202_17.0114.C3
Gene No.	5565	Strand	-
Start	21933	End	23170
Name	OJ991202_17.0114.C3.o3.tw	Method	TBLASTX:Wheat
Start	8985	End	9388
GI	none	Score	82
Exons	8985..9116, 8986..9117, 9054..9290, 9119..9388, 9123..9383, 9125..9385		

Seq. No.	2679	Seq. ID	OJ991202_17.0114.C3
Gene No.	5565	Strand	-
Start	21933	End	23170
Name	OJ991202_17.0114.C3.o3.tm	Method	TBLASTX:Maize
Start	9063	End	9446
GI	none	Score	140
Exons	9063..9116, 9116..9445, 9189..9446		

Seq. No.	2679	Seq. ID	OJ991202_17.0114.C3
Gene No.	5565	Strand	-
Start	21933	End	23170
Name	OJ991202_17.0114.C3.o2.tm	Method	TBLASTX:Maize
Start	9473	End	9828
GI	none	Score	148
Exons	9473..9517, 9518..9787, 9523..9792, 9523..9828		

Seq. No.	2679	Seq. ID	OJ991202_17.0114.C3
Gene No.	5565	Strand	-
Start	21933	End	23170
Name	OJ991202_17.0114.C3.o1.tw	Method	TBLASTX:Wheat
Start	9501	End	9959
GI	none	Score	68
Exons	9501..9746, 9510..9677, 9514..9957, 9517..9957, 9518..9958, 9777..9959		

Seq. No.	2679	Seq. ID	OJ991202_17.0114.C3
Gene No.	5565	Strand	-
Start	21933	End	23170
Name	OJ991202_17.0114.C3.o3.ts	Method	TBLASTX:Soybean
Start	9553	End	9918
GI	none	Score	114
Exons	9553..9687, 9694..9918		

Seq. No.	2679	Seq. ID	OJ991202_17.0114.C3
Gene No.	5565	Strand	-
Start	21933	End	23170
Name	OJ991202_17.0114.C3.o6.tw	Method	TBLASTX:Wheat
Start	10083	End	10525
GI	none	Score	134
Exons	10083..10463, 10117..10353, 10143..10463, 10457..10525,		

10458..10514

Seq. No.	2679	Seq. ID	OJ991202_17.0114.C3
Gene No.	5565	Strand	-
Start	21933	End	23170
Name	OJ991202_17.0114.C3.o7.tw	Method	TBLASTX:Wheat
Start	11312	End	11654
GI	none	Score	115
Exons	11312..11584, 11346..11585, 11552..11650, 11553..11654		

Seq. No.	2679	Seq. ID	OJ991202_17.0114.C3
Gene No.	5565	Strand	-
Start	21933	End	23170
Name	OJ991202_17.0114.C3.o5.tm	Method	TBLASTX:Maize
Start	11414	End	11699
GI	none	Score	104
Exons	11414..11662, 11415..11699		

Seq. No.	2679	Seq. ID	OJ991202_17.0114.C3
Gene No.	5565	Strand	-
Start	21933	End	23170
Name	OJ991202_17.0114.C3.o6.gs	Method	GENSCAN
Start	21933	End	23170
GI	none	Score	.66
Exons	21933..22019, 23165..23170		

Seq. No.	2680	Seq. ID	OJ991202_17.0114.C4
Gene No.	5566	Strand	+
Start	172	End	3190
Name	OJ991202_17.0114.C4.o1.gs	Method	GENSCAN
Start	172	End	3190
GI	none	Score	.57
Exons	172..315, 610..630, 2080..2362, 2611..2688, 2856..3190		

Seq. No.	2680	Seq. ID	OJ991202_17.0114.C4
Gene No.	5567	Strand	+
Start	10331	End	16483
Name	OJ991202_17.0114.C4.o3.gs	Method	GENSCAN
Start	10331	End	16483
GI	none	Score	.45
Exons	10331..10406, 10436..10572, 10636..10801, 16056..16483		

Seq. No.	2680	Seq. ID	OJ991202_17.0114.C4
Gene No.	5568	Strand	+
Start	16428	End	17084
Name	OJ991202_17.0114.C4.o1.np	Method	AAT/NAP
Start	16428	End	17084
GI	5923672	Score	121
Exons	16428..16478, 16866..17084		
GI Descrip.	(AC009326) unknown protein [Arabidopsis thaliana]		

Seq. No.	2680	Seq. ID	OJ991202_17.0114.C4
Gene No.	5569	Strand	-
Start	16625	End	17032
Name	OJ991202_17.0114.C4.o4.gs	Method	GENSCAN
Start	16625	End	17032
GI	none	Score	.67

Exons	16625..17032		
Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5570	Strand	+
Start	1	End	1696
Name	OJ991202_17.0114.C5.o1.np	Method	AAT/NAP
Start	1	End	1696
GI	4895178	Score	512
Exons	1..214, 260..1038, 1075..1495, 1556..1696		
GI Descrip.	(AC007661) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5571	Strand	+
Start	2106	End	6149
Name	OJ991202_17.0114.C5.o2.np	Method	AAT/NAP
Start	2106	End	6149
GI	6721512	Score	212
Exons	2106..2128, 4020..4135, 4163..4296, 4339..4375, 4487..4527, 6101..6149		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5572	Strand	+
Start	9544	End	11123
Name	OJ991202_17.0114.C5.o2.gs	Method	GENSCAN
Start	9544	End	11123
GI	none	Score	.73
Exons	9544..9886, 9976..10107, 10241..10370, 11111..11123		
Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5573	Strand	+
Start	15227	End	19160
Name	OJ991202_17.0114.C5.o4.np	Method	AAT/NAP
Start	15227	End	19160
GI	4895179	Score	1104
Exons	15227..15444, 16148..16355, 17361..17587, 17722..18070, 18157..18201, 18282..18428, 18544..18681, 18819..19160		
GI Descrip.	(AC007661) putative Na+-dependent inorganic phosphate cotransporter [Arabidopsis thaliana]		
Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5573	Strand	+
Start	15227	End	19160
Name	OJ991202_17.0114.C5.o4.gs	Method	GENSCAN
Start	17394	End	19123
GI	none	Score	.74
Exons	17394..17445, 17961..18070, 18282..18428, 18598..18681, 18819..18852, 18951..19123		
Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5573	Strand	+
Start	15227	End	19160
Name	OJ991202_17.0114.C5.o1.gp	Method	AAT/GAP
Start	18040	End	19013
GI	2311573	Score	753
Exons	18040..18070, 18157..18201, 18282..18428, 18544..18684, 18821..18853, 18951..19013		

GI Descrip.	4895179/gb|AAD32766.1|AC007661_3 3.0e-47 (AC007661) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5574	Strand	+
Start	26863	End	27091
Name	OJ991202_17.0114.C5.o4.gp	Method	AAT/GAP
Start	26863	End	27091
GI	3761181	Score	337
Exons	26863..27091		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		
Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5575	Strand	+
Start	32371	End	32599
Name	OJ991202_17.0114.C5.o6.gp	Method	AAT/GAP
Start	32371	End	32599
GI	3761181	Score	335
Exons	32371..32599		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		
Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5576	Strand	+
Start	37149	End	38153
Name	OJ991202_17.0114.C5.o9.gs	Method	GENSCAN
Start	37149	End	38153
GI	none	Score	.47
Exons	37149..37574, 37928..38036, 38056..38153		
Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5577	Strand	+
Start	43313	End	47751
Name	OJ991202_17.0114.C5.o6.np	Method	AAT/NAP
Start	43313	End	47751
GI	4895186	Score	1379
Exons	43313..43331, 45141..45213, 45301..45371, 45447..45535, 45618..45750, 45844..46073, 46179..46655, 46728..46922, 47697..47751		
GI Descrip.	(AC007661) similar to axi 1 protein from Nicotiana tabacum [Arabidopsis thaliana]		
Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5578	Strand	-
Start	12732	End	15287
Name	OJ991202_17.0114.C5.o3.np	Method	AAT/NAP
Start	12732	End	15287
GI	3551960	Score	193
Exons	12732..12957, 15260..15287		
GI Descrip.	(AF082033) senescence-associated protein 15 [Hemerocallis hybrid cultivar]		
Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5579	Strand	-
Start	19790	End	21828
Name	OJ991202_17.0114.C5.o2.gp	Method	AAT/GAP

Start	19790	End	21446
GI	16463_1.R1084	Score	1047
Exons	19790..20174, 20265..20402, 21397..21446		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5579	Strand	-
Start	19790	End	21828
Name	OJ991202_17.0114.C5.o6.gs	Method	GENSCAN
Start	20133	End	21828
GI	none	Score	.99
Exons	20133..20174, 20265..20402, 21397..21492, 21604..21828		

Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5580	Strand	-
Start	26744	End	26854
Name	OJ991202_17.0114.C5.o3.gp	Method	AAT/GAP
Start	26744	End	26854
GI	5816518	Score	158
Exons	26744..26854		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5581	Strand	-
Start	29344	End	30070
Name	OJ991202_17.0114.C5.o5.np	Method	AAT/NAP
Start	29344	End	30070
GI	5091512	Score	959
Exons	29344..29851, 29893..30070		
GI Descrip.	(AB023482) Similar to Plasmodium vivax circumsporozoite protein gene, complete cds.(M11926) [Oryza sativa]		

Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5582	Strand	-
Start	32257	End	32362
Name	OJ991202_17.0114.C5.o5.gp	Method	AAT/GAP
Start	32257	End	32362
GI	5816518	Score	163
Exons	32257..32362		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5583	Strand	-
Start	33144	End	35585
Name	OJ991202_17.0114.C5.o8.gs	Method	GENSCAN
Start	33144	End	35585
GI	none	Score	.65
Exons	33144..33280, 33761..33949, 34874..34972, 35435..35585		

Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5584	Strand	-
Start	39177	End	42365
Name	OJ991202_17.0114.C5.o10.gs	Method	GENSCAN
Start	39177	End	42365

GI	none	Score	.4
Exons	39177..40142, 40278..40465, 42254..42365		

Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5585	Strand	-
Start	47700	End	49962
Name	OJ991202_17.0114.C5.o12.gs	Method	GENSCAN
Start	47700	End	49962
GI	none	Score	.54
Exons	47700..47850, 48189..48301, 48493..48735, 49080..49198, 49911..49962		

Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5586	Strand	-
Start	50252	End	50637
Name	OJ991202_17.0114.C5.o3.tm	Method	TBLASTX:Maize
Start	574	End	786
GI	none	Score	73
Exons	574..684, 595..786, 608..784		

Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5586	Strand	-
Start	50252	End	50637
Name	OJ991202_17.0114.C5.o6.tm	Method	TBLASTX:Maize
Start	1082	End	1402
GI	none	Score	89
Exons	1082..1186, 1099..1164, 1115..1291, 1144..1374, 1312..1374, 1343..1402		

Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5586	Strand	-
Start	50252	End	50637
Name	OJ991202_17.0114.C5.o1.tw	Method	TBLASTX:Wheat
Start	12768	End	12959
GI	none	Score	155
Exons	12768..12959, 12773..12958		

Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5586	Strand	-
Start	50252	End	50637
Name	OJ991202_17.0114.C5.o5.tm	Method	TBLASTX:Maize
Start	12801	End	12958
GI	none	Score	140
Exons	12801..12950, 12809..12958, 12823..12957		

Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5586	Strand	-
Start	50252	End	50637
Name	OJ991202_17.0114.C5.o3.tc	Method	TBLASTX:Cress
Start	12809	End	12958
GI	none	Score	117
Exons	12809..12958, 12834..12956		

Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5586	Strand	-
Start	50252	End	50637
Name	OJ991202_17.0114.C5.o4.ts	Method	TBLASTX:Soybean

Start	12809	End	12958
GI	none	Score	101
Exons	12809..12958, 12810..12944		

Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5586	Strand	-
Start	50252	End	50637
Name	OJ991202_17.0114.C5.o9.tm	Method	TBLASTX:Maize
Start	16266	End	17588
GI	none	Score	87
Exons	16266..16355, 17355..17588, 17360..17494, 17516..17581		

Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5586	Strand	-
Start	50252	End	50637
Name	OJ991202_17.0114.C5.o4.tc	Method	TBLASTX:Cress
Start	17355	End	17588
GI	none	Score	192
Exons	17355..17588, 17360..17494, 17514..17570		

Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5586	Strand	-
Start	50252	End	50637
Name	OJ991202_17.0114.C5.o2.tm	Method	TBLASTX:Maize
Start	17792	End	18428
GI	none	Score	288
Exons	17792..17992, 17797..17994, 17987..18070, 17988..18071, 18152..18202, 18156..18203, 18157..18204, 18265..18426, 18280..18426, 18281..18427, 18282..18428		

Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5586	Strand	-
Start	50252	End	50637
Name	OJ991202_17.0114.C5.o3.ts	Method	TBLASTX:Soybean
Start	18178	End	18693
GI	none	Score	44
Exons	18178..18204, 18282..18428, 18290..18427, 18535..18693, 18540..18662		

Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5586	Strand	-
Start	50252	End	50637
Name	OJ991202_17.0114.C5.o2.tc	Method	TBLASTX:Cress
Start	18318	End	19045
GI	none	Score	117
Exons	18318..18428, 18318..18428, 18535..18693, 18540..18674, 18816..18854, 18818..18853, 18950..19045, 18967..19035		

Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5586	Strand	-
Start	50252	End	50637
Name	OJ991202_17.0114.C5.o7.tm	Method	TBLASTX:Maize
Start	20101	End	21834
GI	none	Score	55
Exons	20101..20172, 20133..20174, 20262..20402, 20269..20403, 20275..20403, 20276..20404, 21397..21462, 21397..21462, 21471..21494, 21472..21495, 21604..21657, 21691..21750,		

21701..21748, 21730..21834

Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5586	Strand	-
Start	50252	End	50637
Name	OJ991202_17.0114.C5.o1.tm	Method	TBLASTX:Maize
Start	45138	End	46368
GI	none	Score	47
Exons	45138..45191, 45147..45191, 45314..45370, 45315..45374, 45447..45530, 45447..45485, 45609..45752, 45616..45783, 45850..46083, 46176..46268, 46177..46368, 46180..46365		

Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5586	Strand	-
Start	50252	End	50637
Name	OJ991202_17.0114.C5.o2.ts	Method	TBLASTX:Soybean
Start	45144	End	45783
GI	none	Score	87
Exons	45144..45206, 45150..45191, 45314..45370, 45315..45374, 45447..45533, 45447..45533, 45451..45534, 45609..45746, 45616..45783		

Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5586	Strand	-
Start	50252	End	50637
Name	OJ991202_17.0114.C5.o1.tc	Method	TBLASTX:Cress
Start	45834	End	46656
GI	none	Score	74
Exons	45834..46076, 45850..46083, 45885..45932, 45987..46088, 46176..46250, 46177..46248, 46178..46249, 46300..46656, 46317..46655, 46495..46656		

Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5586	Strand	-
Start	50252	End	50637
Name	OJ991202_17.0114.C5.o1.ts	Method	TBLASTX:Soybean
Start	45850	End	46656
GI	none	Score	218
Exons	45850..46083, 45850..46068, 46176..46268, 46177..46656, 46317..46460, 46494..46655		

Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5586	Strand	-
Start	50252	End	50637
Name	OJ991202_17.0114.C5.o4.tm	Method	TBLASTX:Maize
Start	46466	End	46656
GI	none	Score	138
Exons	46466..46651, 46467..46652, 46467..46655, 46468..46656		

Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5586	Strand	-
Start	50252	End	50637
Name	OJ991202_17.0114.C5.o5.ts	Method	TBLASTX:Soybean
Start	46726	End	46908
GI	none	Score	201
Exons	46726..46890, 46735..46908, 46797..46907		

Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5586	Strand	-
Start	50252	End	50637
Name	OJ991202_17.0114.C5.o8.tm	Method	TBLASTX:Maize
Start	46726	End	46914
GI	none	Score	199
Exons	46726..46914, 46726..46860, 46785..46898		

Seq. No.	2681	Seq. ID	OJ991202_17.0114.C5
Gene No.	5586	Strand	-
Start	50252	End	50637
Name	OJ991202_17.0114.C5.o13.gs	Method	GENSCAN
Start	50252	End	50637
GI	none	Score	.85
Exons	50252..50318, 50447..50637		

Seq. No.	2682	Seq. ID	OJ991202_17.0114.C6
Gene No.	5587	Strand	+
Start	1	End	2862
Name	OJ991202_17.0114.C6.o1.np	Method	AAT/NAP
Start	1	End	2862
GI	2995405	Score	68
Exons	1..52, 1171..1321, 2808..2862		
GI Descrip.	(Y12432) polyprotein [Ananas comosus]		

Seq. No.	2682	Seq. ID	OJ991202_17.0114.C6
Gene No.	5587	Strand	+
Start	1	End	2862
Name	OJ991202_17.0114.C6.o1.gp	Method	AAT/GAP
Start	681	End	1012
GI	2312654	Score	533
Exons	681..1012		

Seq. No.	2682	Seq. ID	OJ991202_17.0114.C6
Gene No.	5588	Strand	+
Start	5703	End	6763
Name	OJ991202_17.0114.C6.o2.gp	Method	AAT/GAP
Start	5703	End	6763
GI	14962_1.R1084	Score	984
Exons	5703..5846, 6365..6763		
GI Descrip.	'3861402/emb|CAA15301| 5.0e-12 (AJ235273) 50S RIBOSOMAL PROTEIN L33 (rpmG) [Rickettsia prowazekii]'		

Seq. No.	2682	Seq. ID	OJ991202_17.0114.C6
Gene No.	5588	Strand	+
Start	5703	End	6763
Name	OJ991202_17.0114.C6.o2.np	Method	AAT/NAP
Start	6376	End	6546
GI	6437554	Score	212
Exons	6376..6546		
GI Descrip.	(AC011623) putative 50S ribosomal protein L33 [Arabidopsis thaliana]		

Seq. No.	2682	Seq. ID	OJ991202_17.0114.C6
Gene No.	5589	Strand	+
Start	7667	End	16291
Name	OJ991202_17.0114.C6.o4.np	Method	AAT/NAP

Start	7667	End	16291
GI	5852093	Score	74
Exons	7667..7712, 9583..9712, 11846..11990, 16269..16291		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	2682	Seq. ID	OJ991202_17.0114.C6
Gene No.	5590	Strand	-
Start	6225	End	8196
Name	OJ991202_17.0114.C6.o2.gs	Method	GENSCAN
Start	6225	End	8196
GI	none	Score	.65
Exons	6225..6440, 6917..6945, 7216..7341, 8163..8196		

Seq. No.	2682	Seq. ID	OJ991202_17.0114.C6
Gene No.	5591	Strand	-
Start	9193	End	9660
Name	OJ991202_17.0114.C6.o3.gs	Method	GENSCAN
Start	9193	End	9660
GI	none	Score	.5
Exons	9193..9261, 9416..9473, 9533..9660		

Seq. No.	2682	Seq. ID	OJ991202_17.0114.C6
Gene No.	5592	Strand	-
Start	10529	End	10612
Name	OJ991202_17.0114.C6.o1.tm	Method	TBLASTX:Maize
Start	6374	End	6552
GI	none	Score	180
Exons	6374..6550, 6375..6551, 6375..6551, 6376..6552, 6376..6552		

Seq. No.	2682	Seq. ID	OJ991202_17.0114.C6
Gene No.	5592	Strand	-
Start	10529	End	10612
Name	OJ991202_17.0114.C6.o3.np	Method	AAT/NAP
Start	10529	End	10612
GI	5852084	Score	80
Exons	10529..10612		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	2683	Seq. ID	OJ991202_17.0114.C7
Gene No.	5593	Strand	+
Start	148	End	6043
Name	OJ991202_17.0114.C7.o1.gs	Method	GENSCAN
Start	148	End	6043
GI	none	Score	.55
Exons	148..659, 2541..2712, 3739..3840, 4295..4406, 4477..4617, 5387..5602, 5880..6043		

Seq. No.	2683	Seq. ID	OJ991202_17.0114.C7
Gene No.	5593	Strand	+
Start	148	End	6043
Name	OJ991202_17.0114.C7.o1.np	Method	AAT/NAP
Start	178	End	2766
GI	4895189	Score	243
Exons	178..384, 493..659, 2541..2766		
GI Descrip.	(AC007661) unknown protein [Arabidopsis thaliana]		

Seq. No.	2683	Seq. ID	OJ991202_17.0114.C7

Gene No.	5594	Strand	-
Start	5635	End	5813
Name	OJ991202_17.0114.C7.o1.gp	Method	AAT/GAP
Start	5635	End	5813
GI	4715988	Score	324
Exons	5635..5813		

Seq. No.	2683	Seq. ID	OJ991202_17.0114.C7
Gene No.	5595	Strand	-
Start	7063	End	7220
Name	OJ991202_17.0114.C7.o1.tm	Method	TBLASTX:Maize
Start	237	End	660
GI	none	Score	44
Exons	237..263, 238..264, 262..351, 270..350, 402..659, 403..660		

Seq. No.	2683	Seq. ID	OJ991202_17.0114.C7
Gene No.	5595	Strand	-
Start	7063	End	7220
Name	OJ991202_17.0114.C7.o1.tc	Method	TBLASTX:Cress
Start	505	End	2625
GI	none	Score	197
Exons	505..660, 510..674, 2539..2625		

Seq. No.	2683	Seq. ID	OJ991202_17.0114.C7
Gene No.	5595	Strand	-
Start	7063	End	7220
Name	OJ991202_17.0114.C7.o1.ts	Method	TBLASTX:Soybean
Start	2538	End	2757
GI	none	Score	54
Exons	2538..2582, 2539..2631, 2619..2741, 2656..2757, 2656..2751, 2664..2756		

Seq. No.	2683	Seq. ID	OJ991202_17.0114.C7
Gene No.	5595	Strand	-
Start	7063	End	7220
Name	OJ991202_17.0114.C7.o3.tm	Method	TBLASTX:Maize
Start	2538	End	2712
GI	none	Score	125
Exons	2538..2630, 2539..2679, 2548..2646, 2656..2712, 2660..2710, 2664..2711		

Seq. No.	2683	Seq. ID	OJ991202_17.0114.C7
Gene No.	5595	Strand	-
Start	7063	End	7220
Name	OJ991202_17.0114.C7.o2.tm	Method	TBLASTX:Maize
Start	7057	End	7220
GI	none	Score	136
Exons	7057..7218, 7063..7218, 7065..7220		

Seq. No.	2683	Seq. ID	OJ991202_17.0114.C7
Gene No.	5595	Strand	-
Start	7063	End	7220
Name	OJ991202_17.0114.C7.o2.gs	Method	GENSCAN
Start	7063	End	7215
GI	none	Score	.96
Exons	7063..7215		

Seq. No.	2684	Seq. ID	OJ991202_17.0114.C8
Gene No.	5596	Strand	+
Start	1	End	605
Name	OJ991202_17.0114.C8.o1.np	Method	AAT/NAP
Start	1	End	605
GI	5091513	Score	839
Exons	1..605		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	2684	Seq. ID	OJ991202_17.0114.C8
Gene No.	5596	Strand	+
Start	1	End	605
Name	OJ991202_17.0114.C8.o1.gs	Method	GENSCAN
Start	7	End	515
GI	none	Score	.63
Exons	7..515		

Seq. No.	2685	Seq. ID	OJ991202_13.0118.C1
Gene No.	5597	Strand	+
Start	8524	End	9588
Name	OJ991202_13.0118.C1.o2.gs	Method	GENSCAN
Start	8524	End	9588
GI	none	Score	.4
Exons	8524..8609, 8805..8921, 9420..9588		

Seq. No.	2685	Seq. ID	OJ991202_13.0118.C1
Gene No.	5598	Strand	+
Start	11773	End	12385
Name	OJ991202_13.0118.C1.o2.gp	Method	AAT/GAP
Start	11773	End	12385
GI	uC-osflcyp039h04b1	Score	303
Exons	11773..11944, 12323..12385		
GI Descrip.	'1617274/emb|CAA96522| 1.0e-09 (Z72152) AMP-binding protein [Brassica napus]'		

Seq. No.	2685	Seq. ID	OJ991202_13.0118.C1
Gene No.	5599	Strand	-
Start	682	End	5797
Name	OJ991202_13.0118.C1.o1.gs	Method	GENSCAN
Start	682	End	5797
GI	none	Score	.56
Exons	682..867, 927..956, 2438..2725, 3624..4582, 5602..5797		

Seq. No.	2685	Seq. ID	OJ991202_13.0118.C1
Gene No.	5599	Strand	-
Start	682	End	5797
Name	OJ991202_13.0118.C1.o1.gp	Method	AAT/GAP
Start	3471	End	3755
GI	3106823	Score	558
Exons	3471..3755		

Seq. No.	2685	Seq. ID	OJ991202_13.0118.C1
Gene No.	5600	Strand	-
Start	12072	End	14380
Name	OJ991202_13.0118.C1.o3.gs	Method	GENSCAN
Start	12072	End	14380
GI	none	Score	.8

Exons	12072..12115, 12473..12600, 13822..13936, 14248..14380		
Seq. No.	2685	Seq. ID	OJ991202_13.0118.C1
Gene No.	5601	Strand	-
Start	16203	End	25662
Name	OJ991202_13.0118.C1.o1.tc	Method	TBLASTX:Cress
Start	3612	End	17577
GI	none	Score	51
Exons	3612..3677, 3613..3672, 3693..3884, 3754..3882, 3882..4073, 4143..4610, 4150..4578, 5600..5749, 5601..5744, 16215..16277, 16216..16275, 16296..16487, 16357..16485, 16495..16683, 16500..16679, 16687..16746, 16746..17180, 16870..17100, 17392..17577, 17393..17536		
Seq. No.	2685	Seq. ID	OJ991202_13.0118.C1
Gene No.	5601	Strand	-
Start	16203	End	25662
Name	OJ991202_13.0118.C1.o1.ts	Method	TBLASTX:Soybean
Start	3612	End	17541
GI	none	Score	46
Exons	3612..3716, 3622..3672, 3693..3884, 3754..3882, 3871..4143, 3882..4145, 4143..4610, 4267..4575, 5595..5738, 5597..5749, 16215..16319, 16225..16275, 16296..16487, 16357..16485, 16495..16746, 16500..16748, 16746..17180, 16753..17124, 17389..17541, 17393..17530		
Seq. No.	2685	Seq. ID	OJ991202_13.0118.C1
Gene No.	5601	Strand	-
Start	16203	End	25662
Name	OJ991202_13.0118.C1.o1.tm	Method	TBLASTX:Maize
Start	3612	End	17580
GI	none	Score	98
Exons	3612..3716, 3693..3884, 3754..3882, 3871..4143, 3882..4145, 4143..4610, 4153..4578, 5600..5749, 5601..5744, 16215..16319, 16296..16487, 16357..16485, 16500..16748, 16501..16746, 16746..17180, 16817..16885, 16891..17124, 17392..17580, 17393..17536		
Seq. No.	2685	Seq. ID	OJ991202_13.0118.C1
Gene No.	5601	Strand	-
Start	16203	End	25662
Name	OJ991202_13.0118.C1.o3.tm	Method	TBLASTX:Maize
Start	13459	End	13845
GI	none	Score	105
Exons	13459..13647, 13459..13677, 13460..13828, 13527..13778, 13702..13845		
Seq. No.	2685	Seq. ID	OJ991202_13.0118.C1
Gene No.	5601	Strand	-
Start	16203	End	25662
Name	OJ991202_13.0118.C1.o3.ts	Method	TBLASTX:Soybean
Start	13459	End	13842
GI	none	Score	130
Exons	13459..13578, 13582..13842, 13583..13831, 13714..13836		
Seq. No.	2685	Seq. ID	OJ991202_13.0118.C1
Gene No.	5601	Strand	-

Start	16203	End	25662
Name	OJ991202_13.0118.C1.o2.tw	Method	TBLASTX:Wheat
Start	13489	End	13845
GI	none	Score	82
Exons	13489..13677, 13511..13669, 13696..13845, 13700..13843		

Seq. No.	2685	Seq. ID	OJ991202_13.0118.C1
Gene No.	5601	Strand	-
Start	16203	End	25662
Name	OJ991202_13.0118.C1.o2.tm	Method	TBLASTX:Maize
Start	13869	End	14362
GI	none	Score	277
Exons	13869..13928, 13926..14240, 13930..14196, 13930..14358, 13949..14362, 14249..14362		

Seq. No.	2685	Seq. ID	OJ991202_13.0118.C1
Gene No.	5601	Strand	-
Start	16203	End	25662
Name	OJ991202_13.0118.C1.o1.tw	Method	TBLASTX:Wheat
Start	14013	End	14764
GI	none	Score	89
Exons	14013..14231, 14258..14428, 14474..14635, 14636..14764		

Seq. No.	2685	Seq. ID	OJ991202_13.0118.C1
Gene No.	5601	Strand	-
Start	16203	End	25662
Name	OJ991202_13.0118.C1.o2.ts	Method	TBLASTX:Soybean
Start	14378	End	14764
GI	none	Score	128
Exons	14378..14638, 14379..14702, 14636..14764, 14637..14753		

Seq. No.	2685	Seq. ID	OJ991202_13.0118.C1
Gene No.	5601	Strand	-
Start	16203	End	25662
Name	OJ991202_13.0118.C1.o2.np	Method	AAT/NAP
Start	16197	End	17574
GI	5921766	Score	955
Exons	16197..17185, 17394..17574		
GI Descrip.	CHALCONE SYNTHASE 8 (NARINGENIN-CHALCONE SYNTHASE 8) gi|2253119 (AF007099) chalcone synthase [Bromheadia finlaysoniana]		

Seq. No.	2685	Seq. ID	OJ991202_13.0118.C1
Gene No.	5601	Strand	-
Start	16203	End	25662
Name	OJ991202_13.0118.C1.o4.gs	Method	GENSCAN
Start	16203	End	25662
GI	none	Score	.6
Exons	16203..17185, 17394..17623, 20382..20609, 21411..21490, 23301..23395, 24255..24395, 24901..25134, 25231..25606, 25624..25662		

Seq. No.	2686	Seq. ID	OJ991202_13.0118.C2
Gene No.	5602	Strand	+
Start	1725	End	3048
Name	OJ991202_13.0118.C2.o1.gs	Method	GENSCAN
Start	1725	End	3048
GI	none	Score	.65

Exons	1725..1734, 2906..3048		
Seq. No.	2686	Seq. ID	OJ991202_13.0118.C2
Gene No.	5603	Strand	+
Start	4246	End	6861
Name	OJ991202_13.0118.C2.o2.gs	Method	GENSCAN
Start	4246	End	6861
GI	none	Score	.79
Exons	4246..4268, 5358..5672, 6617..6665, 6676..6861		
Seq. No.	2686	Seq. ID	OJ991202_13.0118.C2
Gene No.	5604	Strand	+
Start	8055	End	8384
Name	OJ991202_13.0118.C2.o3.gs	Method	GENSCAN
Start	8055	End	8384
GI	none	Score	.92
Exons	8055..8144, 8169..8384		
Seq. No.	2686	Seq. ID	OJ991202_13.0118.C2
Gene No.	5605	Strand	+
Start	10925	End	11078
Name	OJ991202_13.0118.C2.o2.gp	Method	AAT/GAP
Start	10925	End	11078
GI	2338_1.R1084	Score	79
Exons	10925..10945, 11010..11078		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 2.0e-40 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		
Seq. No.	2686	Seq. ID	OJ991202_13.0118.C2
Gene No.	5606	Strand	+
Start	15917	End	24419
Name	OJ991202_13.0118.C2.o5.gs	Method	GENSCAN
Start	15917	End	24419
GI	none	Score	.73
Exons	15917..16131, 18359..18388, 18431..18543, 18959..19071, 19127..19345, 20087..20251, 21451..21573, 22242..22405, 22438..22634, 23170..23249, 23700..24419		
Seq. No.	2686	Seq. ID	OJ991202_13.0118.C2
Gene No.	5606	Strand	+
Start	15917	End	24419
Name	OJ991202_13.0118.C2.o3.gp	Method	AAT/GAP
Start	18608	End	20624
GI	13899_1.R1084	Score	1607
Exons	18608..18735, 19127..19345, 20087..20624		
GI Descrip.	'4455351/emb|CAB36761.1| 5.0e-63 (AL035524) putative protein [Arabidopsis thaliana]'		
Seq. No.	2686	Seq. ID	OJ991202_13.0118.C2
Gene No.	5606	Strand	+
Start	15917	End	24419
Name	OJ991202_13.0118.C2.o2.np	Method	AAT/NAP
Start	18613	End	20293
GI	4455351	Score	561
Exons	18613..18735, 19127..19349, 20064..20293		
GI Descrip.	(AL035524) putative protein [Arabidopsis thaliana]		

Seq. No.	2686	Seq. ID	OJ991202_13.0118.C2
Gene No.	5607	Strand	+
Start	25536	End	31960
Name	OJ991202_13.0118.C2.o6.gs	Method	GENSCAN
Start	25536	End	31471
GI	none	Score	.65
Exons	25536..25595, 26001..26110, 27695..27977, 28105..28351, 29321..29442, 29487..29607, 31437..31471		

Seq. No.	2686	Seq. ID	OJ991202_13.0118.C2
Gene No.	5607	Strand	+
Start	25536	End	31960
Name	OJ991202_13.0118.C2.o5.np	Method	AAT/NAP
Start	27832	End	31960
GI	6815103	Score	168
Exons	27832..27910, 29506..29607, 29776..29976, 31939..31960		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	2686	Seq. ID	OJ991202_13.0118.C2
Gene No.	5608	Strand	-
Start	3435	End	6931
Name	OJ991202_13.0118.C2.o1.np	Method	AAT/NAP
Start	3435	End	6931
GI	5295951	Score	141
Exons	3435..3465, 6712..6931		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa]		

Seq. No.	2686	Seq. ID	OJ991202_13.0118.C2
Gene No.	5609	Strand	-
Start	7030	End	14755
Name	OJ991202_13.0118.C2.o1.gp	Method	AAT/GAP
Start	7030	End	10380
GI	LIB3477-003-P1-K1-E9	Score	138
Exons	7030:.7082, 10328..10380		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	2686	Seq. ID	OJ991202_13.0118.C2
Gene No.	5609	Strand	-
Start	7030	End	14755
Name	OJ991202_13.0118.C2.o4.gs	Method	GENSCAN
Start	8579	End	14755
GI	none	Score	.44
Exons	8579..8718, 9035..9143, 11554..11648, 11930..12019, 12227..12387, 13713..13831, 14660..14755		

Seq. No.	2686	Seq. ID	OJ991202_13.0118.C2
Gene No.	5610	Strand	-
Start	22541	End	38931
Name	OJ991202_13.0118.C2.o1.tm	Method	TBLASTX:Maize
Start	18649	End	20422
GI	none	Score	136
Exons	18649..18738, 18669..18767, 19127..19345, 19144..19338, 20064..20279, 20074..20232, 20081..20302, 20086..20295, 20334..20384, 20338..20385, 20338..20385, 20374..20421,		

20384..20422

Seq. No.	2686	Seq. ID	OJ991202_13.0118.C2
Gene No.	5610	Strand	-
Start	22541	End	38931
Name	OJ991202_13.0118.C2.o1.ts	Method	TBLASTX:Soybean
Start	18649	End	20302
GI	none	Score	118
Exons	18649..18744, 18651..18737, 19127..19201, 19144..19182, 19201..19344, 19202..19345, 20073..20180, 20074..20229, 20081..20302, 20086..20271		

Seq. No.	2686	Seq. ID	OJ991202_13.0118.C2
Gene No.	5610	Strand	-
Start	22541	End	38931
Name	OJ991202_13.0118.C2.o1.tc	Method	TBLASTX:Cress
Start	18652	End	20284
GI	none	Score	97
Exons	18652..18744, 19127..19201, 19144..19200, 19201..19326, 19202..19327, 19322..19345, 20081..20146, 20140..20283, 20141..20284		

Seq. No.	2686	Seq. ID	OJ991202_13.0118.C2
Gene No.	5610	Strand	-
Start	22541	End	38931
Name	OJ991202_13.0118.C2.o3.np	Method	AAT/NAP
Start	22541	End	38931
GI	5305335	Score	151
Exons	22541..22741, 23755..23982, 25817..26043, 27576..27843, 34672..34845, 38328..38478, 38905..38931		
GI Descrip.	(AF071081) proline-rich mucin homolog [Mycobacterium tuberculosis]		

Seq. No.	2686	Seq. ID	OJ991202_13.0118.C2
Gene No.	5610	Strand	-
Start	22541	End	38931
Name	OJ991202_13.0118.C2.o4.np	Method	AAT/NAP
Start	26976	End	31302
GI	3176874	Score	37
Exons	26976..27025, 28245..28374, 31281..31302		
GI Descrip.	(AF065639) cucumisin-like serine protease [Arabidopsis thaliana]		

Seq. No.	2686	Seq. ID	OJ991202_13.0118.C2
Gene No.	5610	Strand	-
Start	22541	End	38931
Name	OJ991202_13.0118.C2.o7.gs	Method	GENSCAN
Start	34289	End	38622
GI	none	Score	.4
Exons	34289..34934, 36039..36224, 36455..36476, 37984..38206, 38486..38622		

Seq. No.	2686	Seq. ID	OJ991202_13.0118.C2
Gene No.	5610	Strand	-
Start	22541	End	38931
Name	OJ991202_13.0118.C2.o4.gp	Method	AAT/GAP
Start	34484	End	34953
GI	20814_1.R1084	Score	843

Exons	34484..34953		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 1.0e-10 Homo sapiens PEX1 mRNA, complete cds'		
Seq. No.	2686	Seq. ID	OJ991202_13.0118.C2
Gene No.	5610	Strand	-
Start	22541	End	38931
Name	OJ991202_13.0118.C2.o6.np	Method	AAT/NAP
Start	34772	End	38244
GI	6721512	Score	57
Exons	34772..34842, 36105..36252, 38143..38244		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	2687	Seq. ID	OJ991202_13.0118.C3
Gene No.	5611	Strand	+
Start	1	End	4129
Name	OJ991202_13.0118.C3.o1.np	Method	AAT/NAP
Start	1	End	4129
GI	2586082	Score	3869
Exons	1..4129		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		
Seq. No.	2687	Seq. ID	OJ991202_13.0118.C3
Gene No.	5612	Strand	+
Start	7919	End	10055
Name	OJ991202_13.0118.C3.o1.gp	Method	AAT/GAP
Start	7919	End	10055
GI	none	Score	879
Exons	7919..8065, 8870..9001, 9775..9970, 10034..10055		
Seq. No.	2687	Seq. ID	OJ991202_13.0118.C3
Gene No.	5613	Strand	+
Start	25396	End	26499
Name	OJ991202_13.0118.C3.o4.gs	Method	GENSCAN
Start	25396	End	26499
GI	none	Score	.95
Exons	25396..25475, 26427..26499		
Seq. No.	2687	Seq. ID	OJ991202_13.0118.C3
Gene No.	5614	Strand	+
Start	28105	End	29168
Name	OJ991202_13.0118.C3.o5.gs	Method	GENSCAN
Start	28105	End	29168
GI	none	Score	.81
Exons	28105..28173, 28352..28513, 28815..28934, 29007..29168		
Seq. No.	2687	Seq. ID	OJ991202_13.0118.C3
Gene No.	5615	Strand	-
Start	6048	End	7046
Name	OJ991202_13.0118.C3.o2.gs	Method	GENSCAN
Start	6048	End	7046
GI	none	Score	.78
Exons	6048..6230, 6640..6959, 7043..7046		
Seq. No.	2687	Seq. ID	OJ991202_13.0118.C3
Gene No.	5616	Strand	-
Start	12781	End	13038

Name	OJ991202_13.0118.C3.o2.np	Method	AAT/NAP
Start	12781	End	13038
GI	6721512	Score	53
Exons	12781..12881, 12909..13038		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	2687	Seq. ID	OJ991202_13.0118.C3
Gene No.	5617	Strand	-
Start	20899	End	21386
Name	OJ991202_13.0118.C3.o4.tm	Method	TBLASTX:Maize
Start	84	End	387
GI	none	Score	270
Exons	84..386, 85..387		

Seq. No.	2687	Seq. ID	OJ991202_13.0118.C3
Gene No.	5617	Strand	-
Start	20899	End	21386
Name	OJ991202_13.0118.C3.o3.tw	Method	TBLASTX:Wheat
Start	202	End	534
GI	none	Score	280
Exons	202..534, 202..327, 225..431, 373..465		

Seq. No.	2687	Seq. ID	OJ991202_13.0118.C3
Gene No.	5617	Strand	-
Start	20899	End	21386
Name	OJ991202_13.0118.C3.o2.tw	Method	TBLASTX:Wheat
Start	703	End	1094
GI	none	Score	369
Exons	703..1092, 720..1094		

Seq. No.	2687	Seq. ID	OJ991202_13.0118.C3
Gene No.	5617	Strand	-
Start	20899	End	21386
Name	OJ991202_13.0118.C3.o5.tm	Method	TBLASTX:Maize
Start	799	End	1092
GI	none	Score	244
Exons	799..1092, 855..1088		

Seq. No.	2687	Seq. ID	OJ991202_13.0118.C3
Gene No.	5617	Strand	-
Start	20899	End	21386
Name	OJ991202_13.0118.C3.o3.ts	Method	TBLASTX:Soybean
Start	1174	End	1605
GI	none	Score	74
Exons	1174..1278, 1264..1392, 1414..1605		

Seq. No.	2687	Seq. ID	OJ991202_13.0118.C3
Gene No.	5617	Strand	-
Start	20899	End	21386
Name	OJ991202_13.0118.C3.o6.tm	Method	TBLASTX:Maize
Start	1591	End	1985
GI	none	Score	66
Exons	1591..1680, 1703..1813, 1827..1985, 1829..1984		

Seq. No.	2687	Seq. ID	OJ991202_13.0118.C3
Gene No.	5617	Strand	-
Start	20899	End	21386

Name	OJ991202_13.0118.C3.o1.tc	Method	TBLASTX:Cress
Start	1597	End	2015
GI	none	Score	84
Exons	1597..1686, 1682..1798, 1827..2015		

Seq. No.	2687	Seq. ID	OJ991202_13.0118.C3
Gene No.	5617	Strand	-
Start	20899	End	21386
Name	OJ991202_13.0118.C3.o4.tw	Method	TBLASTX:Wheat
Start	1687	End	2008
GI	none	Score	80
Exons	1687..1794, 1700..1789, 1826..2008, 1827..2006		

Seq. No.	2687	Seq. ID	OJ991202_13.0118.C3
Gene No.	5617	Strand	-
Start	20899	End	21386
Name	OJ991202_13.0118.C3.o2.ts	Method	TBLASTX:Soybean
Start	2610	End	3100
GI	5509260	Score	122
Exons	2610..2810, 2906..3100, 2918..3073, 2923..3087		
GI Descrip.	-		

Seq. No.	2687	Seq. ID	OJ991202_13.0118.C3
Gene No.	5617	Strand	-
Start	20899	End	21386
Name	OJ991202_13.0118.C3.o6.tw	Method	TBLASTX:Wheat
Start	2778	End	3109
GI	none	Score	34
Exons	2778..2810, 2809..2895, 2906..3109, 2923..2988		

Seq. No.	2687	Seq. ID	OJ991202_13.0118.C3
Gene No.	5617	Strand	-
Start	20899	End	21386
Name	OJ991202_13.0118.C3.o2.tm	Method	TBLASTX:Maize
Start	2897	End	3343
GI	none	Score	353
Exons	2897..3343, 2920..3135, 3250..3297		

Seq. No.	2687	Seq. ID	OJ991202_13.0118.C3
Gene No.	5617	Strand	-
Start	20899	End	21386
Name	OJ991202_13.0118.C3.o1.tw	Method	TBLASTX:Wheat
Start	3278	End	3718
GI	none	Score	102
Exons	3278..3388, 3397..3600, 3398..3718, 3407..3658, 3631..3717		

Seq. No.	2687	Seq. ID	OJ991202_13.0118.C3
Gene No.	5617	Strand	-
Start	20899	End	21386
Name	OJ991202_13.0118.C3.o1.tm	Method	TBLASTX:Maize
Start	3470	End	4078
GI	none	Score	297
Exons	3470..3877, 3565..3819, 3902..4078		

Seq. No.	2687	Seq. ID	OJ991202_13.0118.C3
Gene No.	5617	Strand	-
Start	20899	End	21386

Name	OJ991202_13.0118.C3.o1.ts	Method	TBLASTX:Soybean
Start	3482	End	4159
GI	none	Score	518
Exons	3482..4105, 3484..3636, 3676..3873, 3901..4077, 4130..4159		

Seq. No.	2687	Seq. ID	OJ991202_13.0118.C3
Gene No.	5617	Strand	-
Start	20899	End	21386
Name	OJ991202_13.0118.C3.o3.np	Method	AAT/NAP
Start	20899	End	21377
GI	4680183	Score	257
Exons	20899..21377		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	2687	Seq. ID	OJ991202_13.0118.C3
Gene No.	5617	Strand	-
Start	20899	End	21386
Name	OJ991202_13.0118.C3.o5.tw	Method	TBLASTX:Wheat
Start	21009	End	21386
GI	none	Score	190
Exons	21009..21386		

Seq. No.	2687	Seq. ID	OJ991202_13.0118.C3
Gene No.	5618	Strand	
Start	27168	End	28907
Name	OJ991202_13.0118.C3.o3.tm	Method	TBLASTX:Maize
Start	27168	End	28907
GI	none	Score	292
Exons	27168..27203, 27169..27207, 27214..27522, 27294..27521, 27301..27525, 28349..28525, 28351..28509, 28787..28906, 28815..28907, 28818..28907		

Seq. No.	2688	Seq. ID	OJ991202_13.0118.C4
Gene No.	5619	Strand	-
Start	1699	End	1875
Name	OJ991202_13.0118.C4.o1.tm	Method	TBLASTX:Maize
Start	1678	End	1875
GI	none	Score	168
Exons	1678..1875, 1688..1864, 1798..1872		

Seq. No.	2688	Seq. ID	OJ991202_13.0118.C4
Gene No.	5619	Strand	-
Start	1699	End	1875
Name	OJ991202_13.0118.C4.o1.gs	Method	GENSCAN
Start	1699	End	1860
GI	none	Score	.99
Exons	1699..1860		

Seq. No.	2689	Seq. ID	OJ991112_13.0110.C1
Gene No.	5620	Strand	+
Start	246	End	2083
Name	OJ991112_13.0110.C1.o1.np	Method	AAT/NAP
Start	246	End	1691
GI	6907088	Score	931
Exons	246..383, 560..797, 1293..1691		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	2689	Seq. ID	OJ991112_13.0110.C1
Gene No.	5620	Strand	+
Start	246	End	2083
Name	OJ991112_13.0110.C1.o1.gs	Method	GENSCAN
Start	1475	End	2083
GI	none	Score	.98
Exons	1475..2083		

Seq. No.	2690	Seq. ID	OJ991112_13.0110.C2
Gene No.	5621	Strand	+
Start	3724	End	3802
Name	OJ991112_13.0110.C2.o2.np	Method	AAT/NAP
Start	3724	End	3802
GI	6630699	Score	72
Exons	3724..3802		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	2690	Seq. ID	OJ991112_13.0110.C2
Gene No.	5622	Strand	+
Start	8102	End	10200
Name	OJ991112_13.0110.C2.o4.np	Method	AAT/NAP
Start	7650	End	9468
GI	6907086	Score	1214
Exons	7650..8423, 8483..8718, 8955..9005, 9056..9209, 9247..9468		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	2690	Seq. ID	OJ991112_13.0110.C2
Gene No.	5622	Strand	+
Start	8102	End	10200
Name	OJ991112_13.0110.C2.o3.gs	Method	GENSCAN
Start	8102	End	8389
GI	none	Score	.99
Exons	8102..8389		

Seq. No.	2690	Seq. ID	OJ991112_13.0110.C2
Gene No.	5622	Strand	+
Start	8102	End	10200
Name	OJ991112_13.0110.C2.o4.gs	Method	GENSCAN
Start	8992	End	10200
GI	none	Score	.62
Exons	8992..9081, 9556..9638, 10107..10200		

Seq. No.	2690	Seq. ID	OJ991112_13.0110.C2
Gene No.	5623	Strand	+
Start	10579	End	11011
Name	OJ991112_13.0110.C2.o5.np	Method	AAT/NAP
Start	10579	End	11011
GI	4680185	Score	502
Exons	10579..11011		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	2690	Seq. ID	OJ991112_13.0110.C2
Gene No.	5624	Strand	-
Start	762	End	3664
Name	OJ991112_13.0110.C2.o1.gs	Method	GENSCAN

Start	762	End	3649
GI	none	Score	.54
Exons	762..909, 1379..1516, 1569..1738, 2099..2183, 2344..2438, 2940..3089, 3488..3649		

Seq. No.	2690	Seq. ID	OJ991112_13.0110.C2
Gene No.	5624	Strand	-
Start	762	End	3664
Name	OJ991112_13.0110.C2.o1.np	Method	AAT/NAP
Start	792	End	3664
GI	5922620	Score	649
Exons	792..922, 2283..2719, 3481..3664		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2690	Seq. ID	OJ991112_13.0110.C2
Gene No.	5625	Strand	-
Start	3911	End	5819
Name	OJ991112_13.0110.C2.o2.gs	Method	GENSCAN
Start	3911	End	5664
GI	none	Score	.4
Exons	3911..4052, 4630..4662, 5600..5664		

Seq. No.	2690	Seq. ID	OJ991112_13.0110.C2
Gene No.	5625	Strand	-
Start	3911	End	5819
Name	OJ991112_13.0110.C2.o3.np	Method	AAT/NAP
Start	3941	End	4074
GI	5922620	Score	158
Exons	3941..4074		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2690	Seq. ID	OJ991112_13.0110.C2
Gene No.	5625	Strand	-
Start	3911	End	5819
Name	OJ991112_13.0110.C2.o1.gp	Method	AAT/GAP
Start	5387	End	5819
GI	uC-osflcyp033a04b1	Score	559
Exons	5387..5717, 5792..5819		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	2690	Seq. ID	OJ991112_13.0110.C2
Gene No.	5626	Strand	-
Start	9580	End	9635
Name	OJ991112_13.0110.C2.o2.gp	Method	AAT/GAP
Start	9580	End	9635
GI	uC-osflcyp033a04b1	Score	79
Exons	9580..9635		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic		

DNA, chromosome 1, clone:P0711E10'

Seq. No.	2690	Seq. ID	OJ991112_13.0110.C2
Gene No.	5627	Strand	-
Start	10472	End	10908
Name	OJ991112_13.0110.C2.o5.gs	Method	GENSCAN
Start	10472	End	10908
GI	none	Score	.52
Exons	10472..10615, 10708..10908		

Seq. No.	2691	Seq. ID	OJ991112_13.0110.C3
Gene No.	5628	Strand	+
Start	384	End	5282
Name	OJ991112_13.0110.C3.o1.np	Method	AAT/NAP
Start	384	End	3333
GI	4680186	Score	178
Exons	384..460, 1770..1932, 2514..2647, 3282..3333		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	2691	Seq. ID	OJ991112_13.0110.C3
Gene No.	5628	Strand	+
Start	384	End	5282
Name	OJ991112_13.0110.C3.o1.gs	Method	GENSCAN
Start	596	End	5282
GI	none	Score	.69
Exons	596..633, 1758..1961, 2390..2508, 2527..2750, 2890..3095, 3986..4118, 4276..4808, 4931..5282		

Seq. No.	2691	Seq. ID	OJ991112_13.0110.C3
Gene No.	5628	Strand	+
Start	384	End	5282
Name	OJ991112_13.0110.C3.o2.np	Method	AAT/NAP
Start	3651	End	5261
GI	6907086	Score	562
Exons	3651..4422, 4481..4713, 4755..4825, 4931..5261		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	2691	Seq. ID	OJ991112_13.0110.C3
Gene No.	5629	Strand	-
Start	2072	End	2498
Name	OJ991112_13.0110.C3.o1.gp	Method	AAT/GAP
Start	2072	End	2498
GI	4878407	Score	676
Exons	2072..2498		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	2691	Seq. ID	OJ991112_13.0110.C3
Gene No.	5630	Strand	-
Start	5518	End	5878
Name	OJ991112_13.0110.C3.o3.np	Method	AAT/NAP
Start	5518	End	5878
GI	103076	Score	124
Exons	5518..5728, 5770..5878		
GI Descrip.	Bkm-like sex-determining region hypothetical protein CS314 - fruit fly (Drosophila melanogaster) (fragment)		

Seq. No.	2691	Seq. ID	OJ991112_13.0110.C3
Gene No.	5631	Strand	-
Start	8150	End	13491
Name	OJ991112_13.0110.C3.o2.gs	Method	GENSCAN
Start	8150	End	12200
GI	none	Score	.4
Exons	8150..8322, 11186..11258, 11432..11569, 11628..11976, 12013..12200		

Seq. No.	2691	Seq. ID	OJ991112_13.0110.C3
Gene No.	5631	Strand	-
Start	8150	End	13491
Name	OJ991112_13.0110.C3.o5.np	Method	AAT/NAP
Start	11450	End	13306
GI	5852093	Score	52
Exons	11450..11493, 13197..13306		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	2691	Seq. ID	OJ991112_13.0110.C3
Gene No.	5631	Strand	-
Start	8150	End	13491
Name	OJ991112_13.0110.C3.o4.np	Method	AAT/NAP
Start	11491	End	13491
GI	6907106	Score	414
Exons	11491..11697, 11771..12113, 13456..13491		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2691	Seq. ID	OJ991112_13.0110.C3
Gene No.	5631	Strand	-
Start	8150	End	13491
Name	OJ991112_13.0110.C3.o1.tm	Method	TBLASTX:Maize
Start	11589	End	11959
GI	none	Score	61
Exons	11589..11633, 11589..11633, 11608..11712, 11642..11716, 11647..11718, 11711..11794, 11722..11745, 11723..11959, 11735..11941		

Seq. No.	2692	Seq. ID	OJ991112_13.0110.C4
Gene No.	5632	Strand	+
Start	55	End	397
Name	OJ991112_13.0110.C4.o1.gs	Method	GENSCAN
Start	55	End	397
GI	none	Score	.84
Exons	55..186, 353..397		

Seq. No.	2692	Seq. ID	OJ991112_13.0110.C4
Gene No.	5633	Strand	+
Start	4394	End	4567
Name	OJ991112_13.0110.C4.o1.gp	Method	AAT/GAP
Start	4394	End	4567
GI	4878407	Score	315
Exons	4394..4567		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	2692	Seq. ID	OJ991112_13.0110.C4

Gene No.	5634	Strand	-
Start	1219	End	3310
Name	OJ991112_13.0110.C4.o1.np	Method	AAT/NAP
Start	1219	End	3310
GI	6069653	Score	956
Exons	1219..2233, 2315..3074, 3109..3310		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	2693	Seq. ID	OJ991112_13.0110.C5
Gene No.	5635	Strand	+
Start	280	End	553
Name	OJ991112_13.0110.C5.o1.gs	Method	GENSCAN
Start	280	End	553
GI	none	Score	.94
Exons	280..371, 436..553		

Seq. No.	2693	Seq. ID	OJ991112_13.0110.C5
Gene No.	5636	Strand	+
Start	2815	End	3171
Name	OJ991112_13.0110.C5.o1.gp	Method	AAT/GAP
Start	2815	End	3171
GI	54401_1.R1084	Score	710
Exons	2815..3171		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	2693	Seq. ID	OJ991112_13.0110.C5
Gene No.	5637	Strand	-
Start	1	End	349
Name	OJ991112_13.0110.C5.o1.np	Method	AAT/NAP
Start	1	End	349
GI	4680186	Score	156
Exons	1..78, 121..349		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	2693	Seq. ID	OJ991112_13.0110.C5
Gene No.	5638	Strand	-
Start	3056	End	5925
Name	OJ991112_13.0110.C5.o2.np	Method	AAT/NAP
Start	3056	End	5849
GI	4539677	Score	969
Exons	3056..3289, 3738..4046, 4441..4602, 5060..5249, 5417..5598, 5694..5849		
GI Descrip.	(AF061282) patatin-like protein [Sorghum bicolor]		

Seq. No.	2693	Seq. ID	OJ991112_13.0110.C5
Gene No.	5638	Strand	-
Start	3056	End	5925
Name	OJ991112_13.0110.C5.o2.gs	Method	GENSCAN
Start	3056	End	5837
GI	none	Score	.81
Exons	3056..3289, 3738..4046, 4441..4602, 5060..5249, 5420..5598, 5694..5837		

Seq. No.	2693	Seq. ID	OJ991112_13.0110.C5
Gene No.	5638	Strand	-
Start	3056	End	5925

Name	OJ991112_13.0110.C5.o2.gp	Method	AAT/GAP
Start	3233	End	5925
GI	15750_1.R1084	Score	2127
Exons	3233..3289, 3738..4046, 4441..4602, 5060..5249, 5420..5598, 5694..5925		
GI Descrip.	'2739381 1.0e-107 (AC002505) putative patatin [Arabidopsis thaliana]'		

Seq. No.	2693	Seq. ID	OJ991112_13.0110.C5
Gene No.	5639	Strand	-
Start	8765	End	10305
Name	OJ991112_13.0110.C5.o1.tm	Method	TBLASTX:Maize
Start	3071	End	5796
GI	none	Score	117
Exons	3071..3295, 3078..3278, 3736..3885, 3738..3911, 3742..3882, 3921..3968, 3922..4023, 4436..4474, 4441..4500, 4489..4617, 4493..4582, 5024..5242, 5061..5210, 5072..5245, 5416..5601, 5417..5632, 5419..5598, 5421..5600, 5685..5783, 5685..5783, 5686..5796		

Seq. No.	2693	Seq. ID	OJ991112_13.0110.C5
Gene No.	5639	Strand	-
Start	8765	End	10305
Name	OJ991112_13.0110.C5.o1.tc	Method	TBLASTX:Cress
Start	3074	End	5780
GI	none	Score	65
Exons	3074..3286, 3090..3296, 3741..3923, 3921..3998, 4405..4617, 4442..4570, 5025..5057, 5057..5242, 5069..5200, 5422..5598, 5426..5596, 5437..5601, 5685..5774, 5685..5780, 5698..5778		

Seq. No.	2693	Seq. ID	OJ991112_13.0110.C5
Gene No.	5639	Strand	-
Start	8765	End	10305
Name	OJ991112_13.0110.C5.o1.ts	Method	TBLASTX:Soybean
Start	5414	End	5780
GI	none	Score	176
Exons	5414..5632, 5422..5598, 5685..5780, 5698..5778		

Seq. No.	2693	Seq. ID	OJ991112_13.0110.C5
Gene No.	5639	Strand	-
Start	8765	End	10305
Name	OJ991112_13.0110.C5.o3.gp	Method	AAT/GAP
Start	8121	End	8218
GI	LIB3477-003-P1-K1-E9	Score	125
Exons	8121..8218		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	2693	Seq. ID	OJ991112_13.0110.C5
Gene No.	5639	Strand	-
Start	8765	End	10305
Name	OJ991112_13.0110.C5.o3.gs	Method	GENSCAN
Start	8765	End	10305
GI	none	Score	.62
Exons	8765..8992, 9817..10305		

Seq. No.	2693	Seq. ID	OJ991112_13.0110.C5
Gene No.	5639	Strand	-
Start	8765	End	10305
Name	OJ991112_13.0110.C5.o4.gp	Method	AAT/GAP
Start	9106	End	9246
GI	LIB3477-003-P1-K1-A5	Score	282
Exons	9106..9246		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	2694	Seq. ID	OJ991112_13.0110.C6
Gene No.	5640	Strand	+
Start	3809	End	7023
Name	OJ991112_13.0110.C6.o2.np	Method	AAT/NAP
Start	3809	End	7023
GI	6063557	Score	124
Exons	3809..3906, 4121..4800, 4910..5242, 5823..5942, 6538..6649, 6823..7023		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	2694	Seq. ID	OJ991112_13.0110.C6
Gene No.	5640	Strand	+
Start	3809	End	7023
Name	OJ991112_13.0110.C6.o1.np	Method	AAT/NAP
Start	4003	End	6196
GI	6691467	Score	551
Exons	4003..4984, 6157..6196		
GI Descrip.	(AB030708) AHMP1 [Triticum aestivum]		

Seq. No.	2694	Seq. ID	OJ991112_13.0110.C6
Gene No.	5641	Strand	+
Start	7021	End	12591
Name	OJ991112_13.0110.C6.o2.gs	Method	GENSCAN
Start	7021	End	12171
GI	none	Score	.64
Exons	7021..7023, 7185..7333, 8669..8828, 9145..9230, 9316..9358, 10344..10400, 10484..10541, 11456..12171		

Seq. No.	2694	Seq. ID	OJ991112_13.0110.C6
Gene No.	5641	Strand	+
Start	7021	End	12591
Name	OJ991112_13.0110.C6.o1.gp	Method	AAT/GAP
Start	8308	End	9233
GI	2312641	Score	615
Exons	8308..8428, 8669..8828, 9145..9233		

Seq. No.	2694	Seq. ID	OJ991112_13.0110.C6
Gene No.	5641	Strand	+
Start	7021	End	12591
Name	OJ991112_13.0110.C6.o2.gp	Method	AAT/GAP
Start	11661	End	12591
GI	none	Score	1586
Exons	11661..12304, 12388..12591		

Seq. No.	2694	Seq. ID	OJ991112_13.0110.C6
Gene No.	5642	Strand	+
Start	19071	End	19493

Name	OJ991112_13.0110.C6.o3.gp	Method	AAT/GAP
Start	19027	End	19493
GI	59186_1.R1084	Score	691
Exons	19027..19220, 19315..19493		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	2694	Seq. ID	OJ991112_13.0110.C6
Gene No.	5642	Strand	+
Start	19071	End	19493
Name	OJ991112_13.0110.C6.o5.gs	Method	GENSCAN
Start	19071	End	19475
GI	none	Score	.76
Exons	19071..19220, 19315..19475		

Seq. No.	2694	Seq. ID	OJ991112_13.0110.C6
Gene No.	5642	Strand	+
Start	19071	End	19493
Name	OJ991112_13.0110.C6.o3.np	Method	AAT/NAP
Start	19121	End	19493
GI	3402704	Score	87
Exons	19121..19220, 19315..19493		
GI Descrip.	(AC004261) unknown protein [Arabidopsis thaliana]		

Seq. No.	2694	Seq. ID	OJ991112_13.0110.C6
Gene No.	5643	Strand	-
Start	13233	End	16526
Name	OJ991112_13.0110.C6.o3.gs	Method	GENSCAN
Start	13233	End	16526
GI	none	Score	.68
Exons	13233..13344, 14263..14286, 14816..14983, 16402..16526		

Seq. No.	2694	Seq. ID	OJ991112_13.0110.C6
Gene No.	5644	Strand	-
Start	17405	End	17596
Name	OJ991112_13.0110.C6.o1.tm	Method	TBLASTX:Maize
Start	4132	End	4428
GI	none	Score	307
Exons	4132..4428, 4197..4403		

Seq. No.	2694	Seq. ID	OJ991112_13.0110.C6
Gene No.	5644	Strand	-
Start	17405	End	17596
Name	OJ991112_13.0110.C6.o4.gs	Method	GENSCAN
Start	17405	End	17596
GI	none	Score	.65
Exons	17405..17596		

Seq. No.	2695	Seq. ID	OJ991112_13.0110.C7
Gene No.	5645	Strand	+
Start	2310	End	2856
Name	OJ991112_13.0110.C7.o1.gp	Method	AAT/GAP
Start	2310	End	2856
GI	none	Score	1065
Exons	2310..2856		

Seq. No.	2695	Seq. ID	OJ991112_13.0110.C7

Gene No.	5646	Strand	-
Start	2509	End	11801
Name	OJ991112_13.0110.C7.o2.gs	Method	GENSCAN
Start	2509	End	11801
GI	none	Score	.46
Exons	2509..2852, 3053..3142, 4100..4154, 4445..4550, 4775..4890, 4982..5023, 5524..5931, 6390..6440, 6564..6698, 6805..6898, 7076..7172, 7862..8020, 8602..8862, 10242..10470, 10665..10838, 11616..11683, 11786..11801		

Seq. No.	2695	Seq. ID	OJ991112_13.0110.C7
Gene No.	5646	Strand	-
Start	2509	End	11801
Name	OJ991112_13.0110.C7.o2.gp	Method	AAT/GAP
Start	3757	End	4350
GI	none	Score	820
Exons	3757..3792, 3923..4350		

Seq. No.	2695	Seq. ID	OJ991112_13.0110.C7
Gene No.	5646	Strand	-
Start	2509	End	11801
Name	OJ991112_13.0110.C7.o1.np	Method	AAT/NAP
Start	3999	End	5658
GI	4467115	Score	513
Exons	3999..4154, 4286..4339, 4445..4550, 4775..4881, 4970..5018, 5519..5658		
GI Descrip.	(AL035538) putative protein [Arabidopsis thaliana]		

Seq. No.	2695	Seq. ID	OJ991112_13.0110.C7
Gene No.	5646	Strand	-
Start	2509	End	11801
Name	OJ991112_13.0110.C7.o3.gp	Method	AAT/GAP
Start	6044	End	8916
GI	none	Score	1796
Exons	6044..6440, 6564..6650, 6805..6869, 7862..7943, 8602..8916		

Seq. No.	2695	Seq. ID	OJ991112_13.0110.C7
Gene No.	5647	Strand	-
Start	12903	End	20247
Name	OJ991112_13.0110.C7.o2.tm	Method	TBLASTX:Maize
Start	6211	End	8719
GI	none	Score	36
Exons	6211..6240, 6214..6240, 6215..6241, 6335..6439, 6336..6440, 6336..6446, 6361..6447, 6556..6648, 6790..6894, 6806..6898, 7856..7945, 7858..7944, 7860..7946, 8600..8698, 8602..8718, 8606..8719		

Seq. No.	2695	Seq. ID	OJ991112_13.0110.C7
Gene No.	5647	Strand	-
Start	12903	End	20247
Name	OJ991112_13.0110.C7.o1.tw	Method	TBLASTX:Wheat
Start	6790	End	8719
GI	none	Score	91
Exons	6790..6894, 6800..6898, 7858..7944, 7860..7946, 7862..7945, 8602..8718, 8606..8719		

Seq. No.	2695	Seq. ID	OJ991112_13.0110.C7

Gene No.	5647	Strand	-
Start	12903	End	20247
Name	OJ991112_13.0110.C7.o3.gs	Method	GENSCAN
Start	12903	End	18204
GI	none	Score	.43
Exons	12903..13049, 13897..14326, 14424..14580, 14947..15179, 16354..16647, 16812..17341, 17408..17473, 17938..18204		

Seq. No.	2695	Seq. ID	OJ991112_13.0110.C7
Gene No.	5647	Strand	-
Start	12903	End	20247
Name	OJ991112_13.0110.C7.o1.tm	Method	TBLASTX:Maize
Start	14458	End	14741
GI	none	Score	49
Exons	14458..14511, 14459..14497, 14509..14589, 14509..14586, 14584..14739, 14592..14741		

Seq. No.	2695	Seq. ID	OJ991112_13.0110.C7
Gene No.	5647	Strand	-
Start	12903	End	20247
Name	OJ991112_13.0110.C7.o2.np	Method	AAT/NAP
Start	14483	End	20247
GI	4836899	Score	329
Exons	14483..14631, 16553..17141, 20195..20247		
GI Descrip.	(AC007369) Unknown protein [Arabidopsis thaliana] gi|6319180|gb|AAF07197.1|AF194974_1 (AF194974) ESCAROLA [Arabidopsis thaliana]		

Seq. No.	2696	Seq. ID	OJ991112_13.0110.C8
Gene No.	5648	Strand	+
Start	1	End	287
Name	OJ991112_13.0110.C8.o1.gp	Method	AAT/GAP
Start	1	End	287
GI	none	Score	524
Exons	1..287		

Seq. No.	2696	Seq. ID	OJ991112_13.0110.C8
Gene No.	5649	Strand	-
Start	163	End	1742
Name	OJ991112_13.0110.C8.o1.gs	Method	GENSCAN
Start	163	End	1742
GI	none	Score	.81
Exons	163..716, 894..955, 1227..1442, 1617..1742		

Seq. No.	2696	Seq. ID	OJ991112_13.0110.C8
Gene No.	5649	Strand	-
Start	163	End	1742
Name	OJ991112_13.0110.C8.o2.gp	Method	AAT/GAP
Start	398	End	716
GI	none	Score	566
Exons	398..716		

Seq. No.	2696	Seq. ID	OJ991112_13.0110.C8
Gene No.	5649	Strand	-
Start	163	End	1742
Name	OJ991112_13.0110.C8.o1.tm	Method	TBLASTX:Maize
Start	539	End	1704

GI	none	Score	47
Exons	539..598, 608..718, 624..668, 681..725, 891..959, 893..982, 893..958, 1222..1443, 1224..1445, 1226..1444, 1617..1703, 1617..1703, 1618..1704, 1618..1704		

Seq. No.	2696	Seq. ID	OJ991112_13.0110.C8
Gene No.	5649	Strand	-
Start	163	End	1742
Name	OJ991112_13.0110.C8.o1.ts	Method	TBLASTX:Soybean
Start	620	End	1664
GI	none	Score	110
Exons	620..718, 1224..1358, 1225..1359, 1359..1445, 1387..1443, 1617..1664		

Seq. No.	2696	Seq. ID	OJ991112_13.0110.C8
Gene No.	5649	Strand	-
Start	163	End	1742
Name	OJ991112_13.0110.C8.o1.np	Method	AAT/NAP
Start	894	End	1704
GI	3281861	Score	268
Exons	894..955, 1227..1442, 1617..1704		
GI Descrip.	(AL031004) putative protein [Arabidopsis thaliana]		

Seq. No.	2697	Seq. ID	OJ991112_13.0110.C9
Gene No.	5650	Strand	+
Start	5776	End	10111
Name	OJ991112_13.0110.C9.o2.gs	Method	GENSCAN
Start	5776	End	10111
GI	none	Score	.64
Exons	5776..5902, 7173..7246, 7252..7348, 8683..9093, 9442..9464, 9866..10111		

Seq. No.	2697	Seq. ID	OJ991112_13.0110.C9
Gene No.	5651	Strand	-
Start	1	End	5925
Name	OJ991112_13.0110.C9.o1.np	Method	AAT/NAP
Start	1	End	1809
GI	4220534	Score	431
Exons	1..20, 300..452, 568..688, 1144..1306, 1393..1478, 1723..1809		
GI Descrip.	(AL035356) putative protein [Arabidopsis thaliana]		

Seq. No.	2697	Seq. ID	OJ991112_13.0110.C9
Gene No.	5651	Strand	-
Start	1	End	5925
Name	OJ991112_13.0110.C9.o2.np	Method	AAT/NAP
Start	1	End	5925
GI	4220534	Score	439
Exons	1..20, 300..452, 568..688, 1144..1306, 1393..1478, 1723..1799, 5866..5925		
GI Descrip.	(AL035356) putative protein [Arabidopsis thaliana]		

Seq. No.	2697	Seq. ID	OJ991112_13.0110.C9
Gene No.	5651	Strand	-
Start	1	End	5925
Name	OJ991112_13.0110.C9.o1.gs	Method	GENSCAN
Start	295	End	4756
GI	none	Score	.8

Exons	295..452, 568..688, 1144..1306, 1393..1478, 1723..1805, 1879..2740, 4329..4756		
Seq. No.	2697	Seq. ID	OJ991112_13.0110.C9
Gene No.	5652	Strand	-
Start	10391	End	12296
Name	OJ991112_13.0110.C9.o1.ts	Method	TBLASTX:Soybean
Start	289	End	1444
GI	none	Score	83
Exons	289..453, 294..452, 565..690, 572..694, 1091..1297, 1143..1304, 1144..1293, 1391..1444		
Seq. No.	2697	Seq. ID	OJ991112_13.0110.C9
Gene No.	5652	Strand	-
Start	10391	End	12296
Name	OJ991112_13.0110.C9.o1.tm	Method	TBLASTX:Maize
Start	294	End	1910
GI	none	Score	122
Exons	294..434, 297..452, 299..448, 305..454, 307..453, 565..690, 565..690, 569..694, 569..691, 1096..1305, 1143..1304, 1372..1482, 1388..1489, 1392..1490, 1723..1806, 1725..1805, 1726..1809, 1882..1908, 1884..1910, 1885..1908		
Seq. No.	2697	Seq. ID	OJ991112_13.0110.C9
Gene No.	5652	Strand	-
Start	10391	End	12296
Name	OJ991112_13.0110.C9.o2.tm	Method	TBLASTX:Maize
Start	1941	End	2181
GI	none	Score	62
Exons	1941..2030, 1942..2031, 1943..2032, 2012..2179, 2017..2181, 2029..2181		
Seq. No.	2697	Seq. ID	OJ991112_13.0110.C9
Gene No.	5652	Strand	-
Start	10391	End	12296
Name	OJ991112_13.0110.C9.o3.gs	Method	GENSCAN
Start	10391	End	12296
GI	none	Score	.54
Exons	10391..10556, 10717..10777, 12239..12296		
Seq. No.	2698	Seq. ID	OJ991022_14.0119.C1
Gene No.	5653	Strand	+
Start	3589	End	4914
Name	OJ991022_14.0119.C1.o2.np	Method	AAT/NAP
Start	3524	End	4911
GI	3548810	Score	796
Exons	3524..4911		
GI Descrip.	(AC005313) putative chloroplast nucleoid DNA binding protein [Arabidopsis thaliana]		
Seq. No.	2698	Seq. ID	OJ991022_14.0119.C1
Gene No.	5653	Strand	+
Start	3589	End	4914
Name	OJ991022_14.0119.C1.o2.gs	Method	GENSCAN
Start	3589	End	4914
GI	none	Score	.96
Exons	3589..4914		

Seq. No.	2698	Seq. ID	OJ991022_14.0119.C1
Gene No.	5654	Strand	+
Start	10193	End	12551
Name	OJ991022_14.0119.C1.o3.np	Method	AAT/NAP
Start	10193	End	12551
GI	4803959	Score	194
Exons	10193..10218, 11403..12551		
GI Descrip.	(AC006202) putative chloroplast nucleoid DNA binding protein [Arabidopsis thaliana]		

Seq. No.	2698	Seq. ID	OJ991022_14.0119.C1
Gene No.	5654	Strand	+
Start	10193	End	12551
Name	OJ991022_14.0119.C1.o4.gs	Method	GENSCAN
Start	11181	End	12548
GI	none	Score	.72
Exons	11181..12548		

Seq. No.	2698	Seq. ID	OJ991022_14.0119.C1
Gene No.	5655	Strand	-
Start	870	End	1544
Name	OJ991022_14.0119.C1.o1.gs	Method	GENSCAN
Start	870	End	1544
GI	none	Score	.55
Exons	870..1544		

Seq. No.	2698	Seq. ID	OJ991022_14.0119.C1
Gene No.	5656	Strand	-
Start	5471	End	10554
Name	OJ991022_14.0119.C1.o3.gs	Method	GENSCAN
Start	5471	End	10554
GI	none	Score	.59
Exons	5471..5770, 5778..6153, 6290..6508, 6522..6715, 8292..8396, 8941..9152, 10458..10554		

Seq. No.	2698	Seq. ID	OJ991022_14.0119.C1
Gene No.	5657	Strand	-
Start	13871	End	17306
Name	OJ991022_14.0119.C1.o5.gs	Method	GENSCAN
Start	13871	End	17306
GI	none	Score	.71
Exons	13871..14004, 16108..16200, 17109..17211, 17289..17306		

Seq. No.	2698	Seq. ID	OJ991022_14.0119.C1
Gene No.	5658	Strand	-
Start	18200	End	19254
Name	OJ991022_14.0119.C1.o1.ts	Method	TBLASTX:Soybean
Start	3861	End	12239
GI	none	Score	126
Exons	3861..3947, 3862..3948, 3954..4031, 3955..4062, 4092..4169, 4093..4170, 4230..4361, 4231..4383, 4437..4565, 4459..4566, 4689..4901, 4690..4917, 5648..5872, 5904..5969, 6039..6149, 6361..6417, 6491..6562, 6596..6637, 6647..6697, 11421..11573, 11438..11572, 11571..11660, 11805..11900, 11807..11899, 11897..12004, 11916..12005, 12126..12239		

Seq. No.	2698	Seq. ID	OJ991022_14.0119.C1
Gene No.	5658	Strand	-
Start	18200	End	19254
Name	OJ991022_14.0119.C1.o1.tc	Method	TBLASTX:Cress
Start	3862	End	12536
GI	none	Score	82
Exons	3862..3951, 3955..4062, 4096..4362, 4113..4325, 4462..4566, 4801..4902, 5997..6146, 11439..11573, 11790..11900, 12297..12380, 12447..12536		

Seq. No.	2698	Seq. ID	OJ991022_14.0119.C1
Gene No.	5658	Strand	-
Start	18200	End	19254
Name	OJ991022_14.0119.C1.o1.tm	Method	TBLASTX:Maize
Start	3880	End	11900
GI	none	Score	71
Exons	3880..3948, 3955..4062, 4075..4368, 4113..4367, 11469..11573, 11721..11771, 11781..11900		

Seq. No.	2698	Seq. ID	OJ991022_14.0119.C1
Gene No.	5658	Strand	-
Start	18200	End	19254
Name	OJ991022_14.0119.C1.o6.gs	Method	GENSCAN
Start	18200	End	19254
GI	none	Score	.87
Exons	18200..18772, 19183..19254		

Seq. No.	2699	Seq. ID	OJ991022_14.0119.C2
Gene No.	5659	Strand	-
Start	33	End	1133
Name	OJ991022_14.0119.C2.o1.gs	Method	GENSCAN
Start	33	End	1133
GI	none	Score	.83
Exons	33..149, 1131..1133		

Seq. No.	2700	Seq. ID	OJ991022_14.0119.C3
Gene No.	5660	Strand	+
Start	7396	End	7981
Name	OJ991022_14.0119.C3.o3.np	Method	AAT/NAP
Start	7396	End	7981
GI	6539570	Score	139
Exons	7396..7611, 7819..7877, 7947..7981		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	2700	Seq. ID	OJ991022_14.0119.C3
Gene No.	5661	Strand	-
Start	1	End	399
Name	OJ991022_14.0119.C3.o1.np	Method	AAT/NAP
Start	1	End	399
GI	5441894	Score	60
Exons	1..146, 309..399		
GI Descrip.	(AP000367) EST AU030111(E50640) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2700	Seq. ID	OJ991022_14.0119.C3
Gene No.	5662	Strand	-
Start	2338	End	6103

Name	OJ991022_14.0119.C3.o1.tw	Method	TBLASTX:Wheat
Start	306	End	672
GI	none	Score	65
Exons	306..398, 307..372, 496..534,	543..665,	543..671, 544..672

Seq. No.	2700	Seq. ID	OJ991022_14.0119.C3
Gene No.	5662	Strand	-
Start	2338	End	6103
Name	OJ991022_14.0119.C3.o2.np	Method	AAT/NAP
Start	2338	End	4828
GI	2253582	Score	281
Exons	2338..2372, 4131..4221, 4322..4583, 4710..4828		
GI Descrip.	(U78721) putative homeodomain transcription factor [Arabidopsis thaliana]		

Seq. No.	2700	Seq. ID	OJ991022_14.0119.C3
Gene No.	5662	Strand	-
Start	2338	End	6103
Name	OJ991022_14.0119.C3.o2.gs	Method	GENSCAN
Start	3795	End	6103
GI	none	Score	.5
Exons	3795..4067, 4111..4583, 4713..4888, 5459..5642, 5729..5954, 5999..6103		

Seq. No.	2700	Seq. ID	OJ991022_14.0119.C3
Gene No.	5662	Strand	-
Start	2338	End	6103
Name	OJ991022_14.0119.C3.o1.ts	Method	TBLASTX:Soybean
Start	4372	End	4575
GI	none	Score	72
Exons	4372..4575, 4394..4438, 4402..4518		

Seq. No.	2701	Seq. ID	OJ991022_14.0119.C4
Gene No.	5663	Strand	+
Start	1	End	878
Name	OJ991022_14.0119.C4.o1.np	Method	AAT/NAP
Start	1	End	875
GI	3548810	Score	279
Exons	1..875		
GI Descrip.	(AC005313) putative chloroplast nucleoid DNA binding protein [Arabidopsis thaliana]		

Seq. No.	2701	Seq. ID	OJ991022_14.0119.C4
Gene No.	5663	Strand	+
Start	1	End	878
Name	OJ991022_14.0119.C4.o1.gs	Method	GENSCAN
Start	39	End	878
GI	none	Score	.95
Exons	39..878		

Seq. No.	2702	Seq. ID	OJ991022_14.0119.C5
Gene No.	5664	Strand	-
Start	995	End	2348
Name	OJ991022_14.0119.C5.o1.np	Method	AAT/NAP
Start	995	End	2348
GI	6539553	Score	2282
Exons	995..2348		

GI Descrip. (AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]

Seq. No.	2702	Seq. ID	OJ991022_14.0119.C5
Gene No.	5664	Strand	-
Start	995	End	2348
Name	OJ991022_14.0119.C5.o1.tw	Method	TBLASTX:Wheat
Start	1131	End	1607
GI	none	Score	347
Exons	1131..1517, 1169..1516, 1210..1518, 1532..1606, 1536..1607		

Seq. No.	2702	Seq. ID	OJ991022_14.0119.C5
Gene No.	5664	Strand	-
Start	995	End	2348
Name	OJ991022_14.0119.C5.o3.ts	Method	TBLASTX:Soybean
Start	1259	End	1600
GI	none	Score	83
Exons	1259..1468, 1338..1463, 1487..1600, 1494..1574		

Seq. No.	2702	Seq. ID	OJ991022_14.0119.C5
Gene No.	5664	Strand	-
Start	995	End	2348
Name	OJ991022_14.0119.C5.o2.tm	Method	TBLASTX:Maize
Start	1463	End	1802
GI	none	Score	206
Exons	1463..1801, 1464..1802		

Seq. No.	2702	Seq. ID	OJ991022_14.0119.C5
Gene No.	5664	Strand	-
Start	995	End	2348
Name	OJ991022_14.0119.C5.o1.ts	Method	TBLASTX:Soybean
Start	1613	End	1958
GI	none	Score	124
Exons	1613..1957, 1758..1958		

Seq. No.	2702	Seq. ID	OJ991022_14.0119.C5
Gene No.	5664	Strand	-
Start	995	End	2348
Name	OJ991022_14.0119.C5.o2.tw	Method	TBLASTX:Wheat
Start	1811	End	2341
GI	none	Score	48
Exons	1811..2017, 1821..1943, 2012..2341, 2036..2209		

Seq. No.	2702	Seq. ID	OJ991022_14.0119.C5
Gene No.	5664	Strand	-
Start	995	End	2348
Name	OJ991022_14.0119.C5.o1.tm	Method	TBLASTX:Maize
Start	1892	End	2342
GI	none	Score	55
Exons	1892..2338, 1995..2105, 2039..2221, 2175..2342		

Seq. No.	2702	Seq. ID	OJ991022_14.0119.C5
Gene No.	5664	Strand	-
Start	995	End	2348
Name	OJ991022_14.0119.C5.o2.ts	Method	TBLASTX:Soybean

Start	1976	End	2320
GI	none	Score	109
Exons	1976..2320, 1982..2215		

Seq. No.	2702	Seq. ID	OJ991022_14.0119.C5
Gene No.	5664	Strand	-
Start	995	End	2348
Name	OJ991022_14.0119.C5.o1.tc	Method	TBLASTX:Cress
Start	2138	End	2347
GI	none	Score	227
Exons	2138..2347		

Seq. No.	2703	Seq. ID	OJ991022_14.0119.C6
Gene No.	5665	Strand	-
Start	1	End	2209
Name	OJ991022_14.0119.C6.o1.np	Method	AAT/NAP
Start	1	End	2209
GI	6539553	Score	3831
Exons	1..2209		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	2703	Seq. ID	OJ991022_14.0119.C6
Gene No.	5666	Strand	-
Start	7328	End	9502
Name	OJ991022_14.0119.C6.o2.gs	Method	GENSCAN
Start	7328	End	8638
GI	none	Score	1
Exons	7328..8638		

Seq. No.	2703	Seq. ID	OJ991022_14.0119.C6
Gene No.	5666	Strand	-
Start	7328	End	9502
Name	OJ991022_14.0119.C6.o2.np	Method	AAT/NAP
Start	7331	End	9502
GI	3548810	Score	555
Exons	7331..8651, 9453..9502		
GI Descrip.	(AC005313) putative chloroplast nucleoid DNA binding protein [Arabidopsis thaliana]		

Seq. No.	2703	Seq. ID	OJ991022_14.0119.C6
Gene No.	5666	Strand	-
Start	7328	End	9502
Name	OJ991022_14.0119.C6.o1.gp	Method	AAT/GAP
Start	7857	End	8245
GI	568330	Score	718
Exons	7857..8245		

Seq. No.	2703	Seq. ID	OJ991022_14.0119.C6
Gene No.	5667	Strand	-
Start	10700	End	23675
Name	OJ991022_14.0119.C6.o1.tw	Method	TBLASTX:Wheat
Start	5	End	475
GI	none	Score	392
Exons	5..475, 12..467		

Seq. No.	2703	Seq. ID	OJ991022_14.0119.C6
Gene No.	5667	Strand	-
Start	10700	End	23675
Name	OJ991022_14.0119.C6.o3.tm	Method	TBLASTX:Maize
Start	47	End	619
GI	none	Score	67
Exons	47..292, 311..619, 335..490, 345..536		

Seq. No.	2703	Seq. ID	OJ991022_14.0119.C6
Gene No.	5667	Strand	-
Start	10700	End	23675
Name	OJ991022_14.0119.C6.o1.ts	Method	TBLASTX:Soybean
Start	125	End	523
GI	none	Score	38
Exons	125..298, 252..290, 299..523, 345..515		

Seq. No.	2703	Seq. ID	OJ991022_14.0119.C6
Gene No.	5667	Strand	-
Start	10700	End	23675
Name	OJ991022_14.0119.C6.o3.tw	Method	TBLASTX:Wheat
Start	476	End	667
GI	none	Score	186
Exons	476..667, 476..667		

Seq. No.	2703	Seq. ID	OJ991022_14.0119.C6
Gene No.	5667	Strand	-
Start	10700	End	23675
Name	OJ991022_14.0119.C6.o3.ts	Method	TBLASTX:Soybean
Start	533	End	919
GI	none	Score	86
Exons	533..781, 764..919		

Seq. No.	2703	Seq. ID	OJ991022_14.0119.C6
Gene No.	5667	Strand	-
Start	10700	End	23675
Name	OJ991022_14.0119.C6.o1.tm	Method	TBLASTX:Maize
Start	946	End	1268
GI	none	Score	389
Exons	946..1113, 947..1261, 948..1241, 1014..1268		

Seq. No.	2703	Seq. ID	OJ991022_14.0119.C6
Gene No.	5667	Strand	-
Start	10700	End	23675
Name	OJ991022_14.0119.C6.o2.tm	Method	TBLASTX:Maize
Start	1767	End	2080
GI	none	Score	284
Exons	1767..2072, 1769..2080		

Seq. No.	2703	Seq. ID	OJ991022_14.0119.C6
Gene No.	5667	Strand	-
Start	10700	End	23675
Name	OJ991022_14.0119.C6.o2.tw	Method	TBLASTX:Wheat
Start	1829	End	2215
GI	none	Score	245
Exons	1829..2215, 1830..2204		

Seq. No.	2703	Seq. ID	OJ991022_14.0119.C6
Gene No.	5667	Strand	-
Start	10700	End	23675
Name	OJ991022_14.0119.C6.o2.ts	Method	TBLASTX:Soybean
Start	7601	End	8402
GI	none	Score	53
Exons	7601..7738, 7736..7834, 7901..8041, 7947..8021, 8042..8128, 8058..8126, 8183..8395, 8238..8402		

Seq. No.	2703	Seq. ID	OJ991022_14.0119.C6
Gene No.	5667	Strand	-
Start	10700	End	23675
Name	OJ991022_14.0119.C6.o3.gs	Method	GENSCAN
Start	10700	End	23675
GI	none	Score	.65
Exons	10700..10837, 10905..11222, 11276..11633, 13741..13847, 14926..15023, 15857..15960, 16662..16822, 16882..17454, 17589..18139, 18213..19038, 20043..20240, 20246..20356, 21040..21197, 22080..22150, 22966..23045, 23323..23493, 23607..23675		

Seq. No.	2703	Seq. ID	OJ991022_14.0119.C6
Gene No.	5667	Strand	-
Start	10700	End	23675
Name	OJ991022_14.0119.C6.o4.tm	Method	TBLASTX:Maize
Start	10955	End	11189
GI	none	Score	56
Exons	10955..11035, 10971..11189, 10972..11097, 11094..11153, 11108..11182		

Seq. No.	2703	Seq. ID	OJ991022_14.0119.C6
Gene No.	5667	Strand	-
Start	10700	End	23675
Name	OJ991022_14.0119.C6.o3.np	Method	AAT/NAP
Start	16444	End	20406
GI	4206200	Score	376
Exons	16444..16573, 16962..17396, 17549..18004, 18213..18711, 20380..20406		
GI Descrip.	(AF071527) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2703	Seq. ID	OJ991022_14.0119.C6
Gene No.	5667	Strand	-
Start	10700	End	23675
Name	OJ991022_14.0119.C6.o4.tw	Method	TBLASTX:Wheat
Start	17589	End	18468
GI	none	Score	133
Exons	17589..17879, 17626..17877, 18343..18468		

Seq. No.	2703	Seq. ID	OJ991022_14.0119.C6
Gene No.	5667	Strand	-
Start	10700	End	23675
Name	OJ991022_14.0119.C6.o5.tm	Method	TBLASTX:Maize
Start	17595	End	17879
GI	none	Score	139
Exons	17595..17879, 17626..17877		

Seq. No.	2703	Seq. ID	OJ991022_14.0119.C6

Gene No.	5667	Strand	-
Start	10700	End	23675
Name	OJ991022_14.0119.C6.o4.np	Method	AAT/NAP
Start	20066	End	20383
GI	6539588	Score	140
Exons	20066..20383		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	2704	Seq. ID	OJ991022_14.0119.C7
Gene No.	5668	Strand	-
Start	1	End	2362
Name	OJ991022_14.0119.C7.o1.np	Method	AAT/NAP
Start	1	End	2362
GI	4836914	Score	76
Exons	1..72, 787..1148, 2340..2362		
GI Descrip.	(AC007153) 68961 [Arabidopsis thaliana]		

Seq. No.	2704	Seq. ID	OJ991022_14.0119.C7
Gene No.	5668	Strand	-
Start	1	End	2362
Name	OJ991022_14.0119.C7.o1.gs	Method	GENSCAN
Start	658	End	1404
GI	none	Score	.44
Exons	658..1176, 1197..1404		

Seq. No.	2705	Seq. ID	OJ991022_14.0119.C8
Gene No.	5669	Strand	+
Start	576	End	6220
Name	OJ991022_14.0119.C8.o1.np	Method	AAT/NAP
Start	576	End	6220
GI	6498441	Score	6782
Exons	576..1639, 1970..2433, 2497..2870, 3054..3188, 3363..3603, 3796..4277, 4449..5845, 5939..6220		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	2705	Seq. ID	OJ991022_14.0119.C8
Gene No.	5670	Strand	-
Start	6840	End	11826
Name	OJ991022_14.0119.C8.o2.gs	Method	GENSCAN
Start	6840	End	10147
GI	none	Score	.78
Exons	6840..8787, 8886..10147		

Seq. No.	2705	Seq. ID	OJ991022_14.0119.C8
Gene No.	5670	Strand	-
Start	6840	End	11826
Name	OJ991022_14.0119.C8.o2.np	Method	AAT/NAP
Start	6843	End	10147
GI	6907089	Score	4284
Exons	6843..8787, 8886..10147		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	2705	Seq. ID	OJ991022_14.0119.C8
Gene No.	5670	Strand	-
Start	6840	End	11826

Name	OJ991022_14.0119.C8.o3.np	Method	AAT/NAP
Start	9380	End	11826
GI	5922623	Score	274
Exons	9380..9406, 10987..11062, 11230..11388, 11746..11826		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	2705	Seq. ID	OJ991022_14.0119.C8
Gene No.	5671	Strand	-
Start	13533	End	14282
Name	OJ991022_14.0119.C8.o6.tw	Method	TBLASTX:Wheat
Start	724	End	1116
GI	none	Score	58
Exons	724..771, 778..876, 795..875, 843..1004, 859..1116		

Seq. No.	2705	Seq. ID	OJ991022_14.0119.C8
Gene No.	5671	Strand	-
Start	13533	End	14282
Name	OJ991022_14.0119.C8.o4.tm	Method	TBLASTX:Maize
Start	729	End	1014
GI	none	Score	193
Exons	729..1013, 766..1014		

Seq. No.	2705	Seq. ID	OJ991022_14.0119.C8
Gene No.	5671	Strand	-
Start	13533	End	14282
Name	OJ991022_14.0119.C8.o5.tw	Method	TBLASTX:Wheat
Start	1124	End	4583
GI	none	Score	234
Exons	1124..1177, 4122..4373, 4149..4373, 4214..4387, 4434..4583, 4443..4580, 4445..4582		

Seq. No.	2705	Seq. ID	OJ991022_14.0119.C8
Gene No.	5671	Strand	-
Start	13533	End	14282
Name	OJ991022_14.0119.C8.o3.tw	Method	TBLASTX:Wheat
Start	1854	End	2337
GI	none	Score	412
Exons	1854..2027, 1855..2337, 2049..2309		

Seq. No.	2705	Seq. ID	OJ991022_14.0119.C8
Gene No.	5671	Strand	-
Start	13533	End	14282
Name	OJ991022_14.0119.C8.o1.tw	Method	TBLASTX:Wheat
Start	2504	End	2967
GI	none	Score	219
Exons	2504..2947, 2505..2960, 2506..2967, 2506..2961		

Seq. No.	2705	Seq. ID	OJ991022_14.0119.C8
Gene No.	5671	Strand	-
Start	13533	End	14282
Name	OJ991022_14.0119.C8.o3.ts	Method	TBLASTX:Soybean
Start	2545	End	2910
GI	none	Score	117
Exons	2545..2769, 2776..2910		

Seq. No.	2705	Seq. ID	OJ991022_14.0119.C8
Gene No.	5671	Strand	-
Start	13533	End	14282
Name	OJ991022_14.0119.C8.o1.tm	Method	TBLASTX:Maize
Start	2635	End	2991
GI	none	Score	392
Exons	2635..2991, 2670..2981, 2686..2991		

Seq. No.	2705	Seq. ID	OJ991022_14.0119.C8
Gene No.	5671	Strand	-
Start	13533	End	14282
Name	OJ991022_14.0119.C8.o3.tm	Method	TBLASTX:Maize
Start	3018	End	3402
GI	none	Score	360
Exons	3018..3383, 3019..3402		

Seq. No.	2705	Seq. ID	OJ991022_14.0119.C8
Gene No.	5671	Strand	-
Start	13533	End	14282
Name	OJ991022_14.0119.C8.o2.tw	Method	TBLASTX:Wheat
Start	3075	End	3500
GI	none	Score	487
Exons	3075..3500, 3076..3495		

Seq. No.	2705	Seq. ID	OJ991022_14.0119.C8
Gene No.	5671	Strand	-
Start	13533	End	14282
Name	OJ991022_14.0119.C8.o1.ts	Method	TBLASTX:Soybean
Start	3154	End	3525
GI	none	Score	279
Exons	3154..3525, 3171..3314		

Seq. No.	2705	Seq. ID	OJ991022_14.0119.C8
Gene No.	5671	Strand	-
Start	13533	End	14282
Name	OJ991022_14.0119.C8.o2.ts	Method	TBLASTX:Soybean
Start	4272	End	4838
GI	5666795	Score	68
Exons	4272..4370, 4446..4583, 4638..4838		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	2705	Seq. ID	OJ991022_14.0119.C8
Gene No.	5671	Strand	-
Start	13533	End	14282
Name	OJ991022_14.0119.C8.o8.tw	Method	TBLASTX:Wheat
Start	4586	End	4898
GI	none	Score	192
Exons	4586..4762, 4638..4898		

Seq. No.	2705	Seq. ID	OJ991022_14.0119.C8
Gene No.	5671	Strand	-
Start	13533	End	14282
Name	OJ991022_14.0119.C8.o2.tm	Method	TBLASTX:Maize
Start	5090	End	5413
GI	none	Score	362
Exons	5090..5413, 5119..5400		

Seq. No.	2705	Seq. ID	OJ991022_14.0119.C8
Gene No.	5671	Strand	-
Start	13533	End	14282
Name	OJ991022_14.0119.C8.o4.tw	Method	TBLASTX:Wheat
Start	5227	End	5608
GI	none	Score	375
Exons	5227..5283, 5228..5608, 5329..5577		

Seq. No.	2705	Seq. ID	OJ991022_14.0119.C8
Gene No.	5671	Strand	-
Start	13533	End	14282
Name	OJ991022_14.0119.C8.o7.tw	Method	TBLASTX:Wheat
Start	5609	End	10276
GI	none	Score	265
Exons	5609..5899, 5614..5892, 6085..6207, 6086..6211, 10187..10276		

Seq. No.	2705	Seq. ID	OJ991022_14.0119.C8
Gene No.	5671	Strand	-
Start	13533	End	14282
Name	OJ991022_14.0119.C8.o5.tm	Method	TBLASTX:Maize
Start	6080	End	6247
GI	none	Score	192
Exons	6080..6247, 6085..6219		

Seq. No.	2705	Seq. ID	OJ991022_14.0119.C8
Gene No.	5671	Strand	-
Start	13533	End	14282
Name	OJ991022_14.0119.C8.o3.gs	Method	GENSCAN
Start	13533	End	14282
GI	none	Score	.5
Exons	13533..14282		

Seq. No.	2706	Seq. ID	OJ991022_14.0119.C9
Gene No.	5672	Strand	+
Start	1	End	8476
Name	OJ991022_14.0119.C9.o1.np	Method	AAT/NAP
Start	1	End	3429
GI	6063557	Score	113
Exons	1..171, 314..477, 3403..3429		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	2706	Seq. ID	OJ991022_14.0119.C9
Gene No.	5672	Strand	+
Start	1	End	8476
Name	OJ991022_14.0119.C9.o2.np	Method	AAT/NAP
Start	1	End	8476
GI	6721512	Score	180
Exons	1..57, 516..650, 678..811, 854..937, 8451..8476		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	2706	Seq. ID	OJ991022_14.0119.C9
Gene No.	5673	Strand	-
Start	4833	End	7679
Name	OJ991022_14.0119.C9.o3.gs	Method	GENSCAN
Start	4833	End	7679
GI	none	Score	.74
Exons	4833..4874, 5152..5708, 6983..7679		

Seq. No.	2706	Seq. ID	OJ991022_14.0119.C9
Gene No.	5674	Strand	-
Start	12652	End	12881
Name	OJ991022_14.0119.C9.o1.tw	Method	TBLASTX:Wheat
Start	5185	End	7238
GI	none	Score	127
Exons	5185..5463, 5204..5431, 7071..7238		

Seq. No.	2706	Seq. ID	OJ991022_14.0119.C9
Gene No.	5674	Strand	-
Start	12652	End	12881
Name	OJ991022_14.0119.C9.o4.gs	Method	GENSCAN
Start	12652	End	12881
GI	none	Score	.71
Exons	12652..12881		

Seq. No.	2707	Seq. ID	OJ991022_14.0119.C10
Gene No.	5675	Strand	+
Start	1	End	548
Name	OJ991022_14.0119.C10.o1.np	Method	AAT/NAP
Start	1	End	548
GI	4680203	Score	548
Exons	1..548		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	2707	Seq. ID	OJ991022_14.0119.C10
Gene No.	5675	Strand	+
Start	1	End	548
Name	OJ991022_14.0119.C10.o1.tw	Method	TBLASTX:Wheat
Start	247	End	548
GI	none	Score	103
Exons	247..354, 337..546, 338..541, 345..545, 348..548		

Seq. No.	2708	Seq. ID	OJ991022_14.0119.C11
Gene No.	5676	Strand	+
Start	16	End	651
Name	OJ991022_14.0119.C11.o1.np	Method	AAT/NAP
Start	16	End	651
GI	6498441	Score	1001
Exons	16..651		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	2708	Seq. ID	OJ991022_14.0119.C11
Gene No.	5676	Strand	+
Start	16	End	651
Name	OJ991022_14.0119.C11.o1.gs	Method	GENSCAN
Start	64	End	578
GI	none	Score	.49
Exons	64..120, 140..319, 462..578		

Seq. No.	2708	Seq. ID	OJ991022_14.0119.C11
Gene No.	5676	Strand	+
Start	16	End	651
Name	OJ991022_14.0119.C11.o1.tw	Method	TBLASTX:Wheat

Start	167	End	556
GI	none	Score	44
Exons	167..211, 218..316, 235..315, 283..522, 299..556		

Seq. No.	2708	Seq. ID	OJ991022_14.0119.C11
Gene No.	5676	Strand	+
Start	16	End	651
Name	OJ991022_14.0119.C11.o1.tm	Method	TBLASTX:Maize
Start	191	End	454
GI	none	Score	200
Exons	191..454, 208..453		

Seq. No.	2709	Seq. ID	OJ991022_14.0119.C12
Gene No.	5677	Strand	+
Start	1	End	716
Name	OJ991022_14.0119.C12.o1.np	Method	AAT/NAP
Start	1	End	716
GI	5902445	Score	841
Exons	1..716		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	2709	Seq. ID	OJ991022_14.0119.C12
Gene No.	5677	Strand	+
Start	1	End	716
Name	OJ991022_14.0119.C12.o2.tw	Method	TBLASTX:Wheat
Start	1	End	205
GI	none	Score	274
Exons	1..204, 2..205		

Seq. No.	2709	Seq. ID	OJ991022_14.0119.C12
Gene No.	5677	Strand	+
Start	1	End	716
Name	OJ991022_14.0119.C12.o1.tm	Method	TBLASTX:Maize
Start	16	End	337
GI	none	Score	386
Exons	16..327, 17..337, 221..337		

Seq. No.	2709	Seq. ID	OJ991022_14.0119.C12
Gene No.	5677	Strand	+
Start	1	End	716
Name	OJ991022_14.0119.C12.o1.tw	Method	TBLASTX:Wheat
Start	206	End	613
GI	none	Score	436
Exons	206..613, 208..606		

Seq. No.	2709	Seq. ID	OJ991022_14.0119.C12
Gene No.	5677	Strand	+
Start	1	End	716
Name	OJ991022_14.0119.C12.o2.tm	Method	TBLASTX:Maize
Start	364	End	705
GI	none	Score	245
Exons	364..648, 365..649, 597..704, 598..705		

Seq. No.	2709	Seq. ID	OJ991022_14.0119.C12
Gene No.	5677	Strand	+
Start	1	End	716
Name	OJ991022_14.0119.C12.o1.ts	Method	TBLASTX:Soybean

Start	410	End	613
GI	none	Score	177
Exons	410..613, 418..597		

Seq. No.	2710	Seq. ID	OJ991022_14.0119.C13
Gene No.	5678	Strand	+
Start	7861	End	10212
Name	OJ991022_14.0119.C13.o2.gs	Method	GENSCAN
Start	7861	End	10212
GI	none	Score	.68
Exons	7861..8094, 8434..8625, 8737..8917, 9301..9464, 9506..9638, 10061..10212		

Seq. No.	2710	Seq. ID	OJ991022_14.0119.C13
Gene No.	5678	Strand	+
Start	7861	End	10212
Name	OJ991022_14.0119.C13.o3.gp	Method	AAT/GAP
Start	8379	End	8918
GI	20585_1.R1084	Score	773
Exons	8379..8625, 8737..8918		
GI Descrip.	'295355 1.0e-19 (L13653) peroxidase [Lycopersicon esculentum]'		

Seq. No.	2710	Seq. ID	OJ991022_14.0119.C13
Gene No.	5679	Strand	+
Start	11247	End	11849
Name	OJ991022_14.0119.C13.o3.gs	Method	GENSCAN
Start	11247	End	11849
GI	none	Score	.96
Exons	11247..11849		

Seq. No.	2710	Seq. ID	OJ991022_14.0119.C13
Gene No.	5680	Strand	-
Start	549	End	3928
Name	OJ991022_14.0119.C13.o1.gs	Method	GENSCAN
Start	549	End	3928
GI	none	Score	.64
Exons	549..1741, 3140..3205, 3922..3928		

Seq. No.	2710	Seq. ID	OJ991022_14.0119.C13
Gene No.	5681	Strand	-
Start	12820	End	13464
Name	OJ991022_14.0119.C13.o4.tm	Method	TBLASTX:Maize
Start	646	End	1343
GI	none	Score	34
Exons	646..717, 800..871, 846..881, 915..1343, 919..1098, 1126..1281		

Seq. No.	2710	Seq. ID	OJ991022_14.0119.C13
Gene No.	5681	Strand	-
Start	12820	End	13464
Name	OJ991022_14.0119.C13.o1.tc	Method	TBLASTX:Cress
Start	7957	End	9713
GI	none	Score	119
Exons	7957..8094, 8431..8619, 8433..8612, 8755..8919, 8772..8918, 9288..9713, 9296..9391, 9440..9532, 9605..9709		

Seq. No.	2710	Seq. ID	OJ991022_14.0119.C13
Gene No.	5681	Strand	-

Start	12820	End	13464
Name	OJ991022_14.0119.C13.o1.ts	Method	TBLASTX:Soybean
Start	7957	End	9710
GI	none	Score	104
Exons	7957..8094, 8431..8466, 8467..8619, 8481..8612, 8755..8919, 9288..9428, 9293..9391, 9444..9710, 9614..9706		

Seq. No.	2710	Seq. ID	OJ991022_14.0119.C13
Gene No.	5681	Strand	-
Start	12820	End	13464
Name	OJ991022_14.0119.C13.o1.tw	Method	TBLASTX:Wheat
Start	7957	End	8621
GI	none	Score	156
Exons	7957..8094, 7965..8093, 8431..8466, 8481..8621, 8482..8619		

Seq. No.	2710	Seq. ID	OJ991022_14.0119.C13
Gene No.	5681	Strand	-
Start	12820	End	13464
Name	OJ991022_14.0119.C13.o3.tm	Method	TBLASTX:Maize
Start	8580	End	9719
GI	none	Score	132
Exons	8580..8621, 8742..8918, 8761..8919, 9294..9392, 9296..9391, 9426..9581, 9441..9563, 9611..9709, 9627..9719		

Seq. No.	2710	Seq. ID	OJ991022_14.0119.C13
Gene No.	5681	Strand	-
Start	12820	End	13464
Name	OJ991022_14.0119.C13.o5.tm	Method	TBLASTX:Maize
Start	11277	End	11429
GI	none	Score	205
Exons	11277..11429, 11279..11428		

Seq. No.	2710	Seq. ID	OJ991022_14.0119.C13
Gene No.	5681	Strand	-
Start	12820	End	13464
Name	OJ991022_14.0119.C13.o2.tm	Method	TBLASTX:Maize
Start	11448	End	11874
GI	none	Score	449
Exons	11448..11849, 11450..11848, 11758..11874		

Seq. No.	2710	Seq. ID	OJ991022_14.0119.C13
Gene No.	5681	Strand	-
Start	12820	End	13464
Name	OJ991022_14.0119.C13.o4.gp	Method	AAT/GAP
Start	12553	End	13080
GI	none	Score	804
Exons	12553..12868, 12977..13080		

Seq. No.	2710	Seq. ID	OJ991022_14.0119.C13
Gene No.	5681	Strand	-
Start	12820	End	13464
Name	OJ991022_14.0119.C13.o1.tm	Method	TBLASTX:Maize
Start	12709	End	13464
GI	none	Score	148
Exons	12709..12735, 12793..12870, 12975..13040, 12976..13077, 12977..13078, 13153..13275, 13154..13273, 13363..13464, 13364..13462		

Seq. No.	2710	Seq. ID	OJ991022_14.0119.C13
Gene No.	5681	Strand	-
Start	12820	End	13464
Name	OJ991022_14.0119.C13.o4.gs	Method	GENSCAN
Start	12820	End	13449
GI	none	Score	.81
Exons	12820..12868, 12977..13075, 13154..13273, 13364..13449		

Seq. No.	2710	Seq. ID	OJ991022_14.0119.C13
Gene No.	5681	Strand	-
Start	12820	End	13464
Name	OJ991022_14.0119.C13.o2.ts	Method	TBLASTX:Soybean
Start	12962	End	13246
GI	none	Score	99
Exons	12962..13078, 12976..13077, 13153..13245, 13154..13246		

Seq. No.	2711	Seq. ID	OJ991022_14.0119.C14
Gene No.	5682	Strand	+
Start	2696	End	6207
Name	OJ991022_14.0119.C14.o1.gs	Method	GENSCAN
Start	2696	End	5932
GI	none	Score	.61
Exons	2696..2908, 3180..3518, 3535..3684, 4458..4574, 5288..5441, 5483..5561, 5770..5932		

Seq. No.	2711	Seq. ID	OJ991022_14.0119.C14
Gene No.	5682	Strand	+
Start	2696	End	6207
Name	OJ991022_14.0119.C14.o1.np	Method	AAT/NAP
Start	3238	End	6207
GI	6714472	Score	532
Exons	3238..3785, 4499..4574, 5288..5561, 5770..5932, 6157..6207		
GI Descrip.	(AC008261) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2711	Seq. ID	OJ991022_14.0119.C14
Gene No.	5683	Strand	-
Start	1	End	2724
Name	OJ991022_14.0119.C14.o1.gp	Method	AAT/GAP
Start	1	End	767
GI	18818_1.R1084	Score	493
Exons	1..137, 227..323, 665..767		
GI Descrip.	'2317725 3.0e-25 (AF015811) putative lysophosphatidic acid acyltransferase [Mus musculus]'		

Seq. No.	2711	Seq. ID	OJ991022_14.0119.C14
Gene No.	5683	Strand	-
Start	1	End	2724
Name	OJ991022_14.0119.C14.o1.ts	Method	TBLASTX:Soybean
Start	44	End	769
GI	none	Score	93
Exons	44..139, 49..138, 220..327, 225..344, 225..326, 662..769, 672..752, 692..763		

Seq. No.	2711	Seq. ID	OJ991022_14.0119.C14
Gene No.	5683	Strand	-
Start	1	End	2724

Name	OJ991022_14.0119.C14.o1.tm	Method	TBLASTX:Maize
Start	52	End	2724
GI	none	Score	115
Exons	52..138, 56..139, 225..326, 226..324, 226..330, 227..325, 657..761, 662..766, 663..761, 665..763, 892..987, 911..994, 921..995, 1419..1565, 1420..1557, 1437..1559, 2407..2442, 2420..2482, 2424..2483, 2590..2700, 2617..2724		

Seq. No.	2711	Seq. ID	OJ991022_14.0119.C14
Gene No.	5683	Strand	-
Start	1	End	2724
Name	OJ991022_14.0119.C14.o2.ts	Method	TBLASTX:Soybean
Start	930	End	2479
GI	none	Score	60
Exons	930..1010, 935..994, 1419..1565, 1437..1562, 1438..1608, 2426..2479		

Seq. No.	2711	Seq. ID	OJ991022_14.0119.C14
Gene No.	5684	Strand	
Start	3301	End	3534
Name	OJ991022_14.0119.C14.o2.tm	Method	TBLASTX:Maize
Start	3301	End	3534
GI	none	Score	241
Exons	3301..3465, 3321..3461, 3336..3476, 3502..3534		

Seq. No.	2711	Seq. ID	OJ991022_14.0119.C14
Gene No.	5685	Strand	
Start	5779	End	6207
Name	OJ991022_14.0119.C14.o3.tm	Method	TBLASTX:Maize
Start	5779	End	6207
GI	none	Score	226
Exons	5779..5931, 5780..5932, 6135..6206, 6154..6207		

Seq. No.	2712	Seq. ID	OJ991022_14.0119.C15
Gene No.	5686	Strand	+
Start	1	End	1113
Name	OJ991022_14.0119.C15.o1.np	Method	AAT/NAP
Start	1	End	745
GI	6714472	Score	289
Exons	1..745		
GI Descrip.	(AC008261) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2712	Seq. ID	OJ991022_14.0119.C15
Gene No.	5686	Strand	+
Start	1	End	1113
Name	OJ991022_14.0119.C15.o2.tm	Method	TBLASTX:Maize
Start	5	End	343
GI	none	Score	54
Exons	5..103, 92..229, 106..237, 112..297, 113..310, 272..343		

Seq. No.	2712	Seq. ID	OJ991022_14.0119.C15
Gene No.	5686	Strand	+
Start	1	End	1113
Name	OJ991022_14.0119.C15.o1.gs	Method	GENSCAN
Start	7	End	1113
GI	none	Score	.68
Exons	7..552, 561..745, 885..1113		

Seq. No.	2712	Seq. ID	OJ991022_14.0119.C15
Gene No.	5686	Strand	+
Start	1	End	1113
Name	OJ991022_14.0119.C15.o1.tw	Method	TBLASTX:Wheat
Start	287	End	671
GI	none	Score	52
Exons	287..358, 344..535, 363..446, 552..590, 555..593, 559..600,	395..550, 630..671	475..549, 493..552,

Seq. No.	2712	Seq. ID	OJ991022_14.0119.C15
Gene No.	5686	Strand	+
Start	1	End	1113
Name	OJ991022_14.0119.C15.o1.tm	Method	TBLASTX:Maize
Start	347	End	747
GI	none	Score	62
Exons	347..487, 395..487, 425..550, 541..624, 552..593, 560..625, 683..745	475..549, 607..741,	498..551, 499..552, 630..746, 634..747,

Seq. No.	2713	Seq. ID	OJ991022_14.0119.C16
Gene No.	5687	Strand	+
Start	7494	End	10129
Name	OJ991022_14.0119.C16.o3.gs	Method	GENSCAN
Start	7494	End	10129
GI	none	Score	.45
Exons	7494..7846, 7921..8528, 9708..10129		

Seq. No.	2713	Seq. ID	OJ991022_14.0119.C16
Gene No.	5688	Strand	-
Start	1	End	3605
Name	OJ991022_14.0119.C16.o1.np	Method	AAT/NAP
Start	1	End	1419
GI	6721549	Score	209
Exons	1..59, 447..1419		
GI Descrip.	(AP001073) Similar to Disease resistance gene homolog 9N. (AF105140) [Oryza sativa]		

Seq. No.	2713	Seq. ID	OJ991022_14.0119.C16
Gene No.	5688	Strand	-
Start	1	End	3605
Name	OJ991022_14.0119.C16.o1.gs	Method	GENSCAN
Start	384	End	3605
GI	none	Score	.62
Exons	384..3605		

Seq. No.	2713	Seq. ID	OJ991022_14.0119.C16
Gene No.	5689	Strand	-
Start	3846	End	5326
Name	OJ991022_14.0119.C16.o2.gs	Method	GENSCAN
Start	3846	End	5326
GI	none	Score	.97
Exons	3846..3951, 4514..4645, 5130..5326		

Seq. No.	2713	Seq. ID	OJ991022_14.0119.C16
Gene No.	5690	Strand	-
Start	5854	End	10111

Name	OJ991022_14.0119.C16.o2.np	Method	AAT/NAP
Start	5854	End	10111
GI	4680204	Score	400
Exons	5854..5885, 6579..6619, 9311..10111		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	2713	Seq. ID	OJ991022_14.0119.C16
Gene No.	5690	Strand	-
Start	5854	End	10111
Name	OJ991022_14.0119.C16.o3.np	Method	AAT/NAP
Start	9316	End	10111
GI	4680204	Score	402
Exons	9316..10111		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	2713	Seq. ID	OJ991022_14.0119.C16
Gene No.	5691	Strand	-
Start	11145	End	14414
Name	OJ991022_14.0119.C16.o1.tw	Method	TBLASTX:Wheat
Start	3164	End	14014
GI	none	Score	121
Exons	3164..3262, 12698..12790, 12779..12859, 12872..13012, 12882..13013, 12960..13055, 12992..13051, 13058..13099, 13058..13102, 13097..14014, 13113..13967, 13835..14011		

Seq. No.	2713	Seq. ID	OJ991022_14.0119.C16
Gene No.	5691	Strand	-
Start	11145	End	14414
Name	OJ991022_14.0119.C16.o4.gs	Method	GENSCAN
Start	11145	End	14338
GI	none	Score	.56
Exons	11145..11639, 12674..14338		

Seq. No.	2713	Seq. ID	OJ991022_14.0119.C16
Gene No.	5691	Strand	-
Start	11145	End	14414
Name	OJ991022_14.0119.C16.o1.gp	Method	AAT/GAP
Start	11920	End	14414
GI	342_1.R1084	Score	4561
Exons	11920..14414		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	2713	Seq. ID	OJ991022_14.0119.C16
Gene No.	5691	Strand	-
Start	11145	End	14414
Name	OJ991022_14.0119.C16.o4.np	Method	AAT/NAP
Start	13182	End	14414
GI	6742729	Score	1915
Exons	13182..14414		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	2713	Seq. ID	OJ991022_14.0119.C16
Gene No.	5691	Strand	-
Start	11145	End	14414
Name	OJ991022_14.0119.C16.o1.tc	Method	TBLASTX:Cress
Start	13280	End	13731

GI	none	Score	179
Exons	13280..13717, 13280..13723, 13284..13727, 13290..13727, 13549..13731		

Seq. No.	2713	Seq. ID	OJ991022_14.0119.C16
Gene No.	5691	Strand	-
Start	11145	End	14414
Name	OJ991022_14.0119.C16.o1.tm	Method	TBLASTX:Maize
Start	13625	End	14101
GI	none	Score	80
Exons	13625..14101, 13695..13868, 13886..13963		

Seq. No.	2713	Seq. ID	OJ991022_14.0119.C16
Gene No.	5691	Strand	-
Start	11145	End	14414
Name	OJ991022_14.0119.C16.o2.tw	Method	TBLASTX:Wheat
Start	14015	End	14414
GI	none	Score	78
Exons	14015..14101, 14016..14102, 14016..14105, 14135..14353, 14175..14357, 14363..14413, 14379..14414		

Seq. No.	2714	Seq. ID	OJ991202_16.0103.C1
Gene No.	5692	Strand	+
Start	1	End	912
Name	OJ991202_16.0103.C1.o1.np	Method	AAT/NAP
Start	1	End	912
GI	5091513	Score	1125
Exons	1..912		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	2714	Seq. ID	OJ991202_16.0103.C1
Gene No.	5692	Strand	+
Start	1	End	912
Name	OJ991202_16.0103.C1.o1.gs	Method	GENSCAN
Start	254	End	850
GI	none	Score	.77
Exons	254..850		

Seq. No.	2715	Seq. ID	OJ991202_16.0103.C2
Gene No.	5693	Strand	-
Start	1344	End	4580
Name	OJ991202_16.0103.C2.o1.np	Method	AAT/NAP
Start	1344	End	4580
GI	5091513	Score	1983
Exons	1344..1503, 1536..1663, 2047..3276, 4023..4580		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	2715	Seq. ID	OJ991202_16.0103.C2
Gene No.	5693	Strand	-
Start	1344	End	4580
Name	OJ991202_16.0103.C2.o2.gs	Method	GENSCAN
Start	1995	End	4538
GI	none	Score	.7
Exons	1995..2182, 2236..3241, 4104..4538		

Seq. No.	2716	Seq. ID	OJ991202_16.0103.C3
Gene No.	5694	Strand	+

Start	1127	End	8997
Name	OJ991202_16.0103.C3.o2.np	Method	AAT/NAP
Start	1127	End	8997
GI	5091513	Score	1377
Exons	1127..2474, 3277..3368, 3409..3467, 3664..3819, 5169..5233, 8953..8997		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	2716	Seq. ID	OJ991202_16.0103.C3
Gene No.	5694	Strand	+
Start	1127	End	8997
Name	OJ991202_16.0103.C3.o2.gs	Method	GENSCAN
Start	1323	End	2916
GI	none	Score	.48
Exons	1323..2474, 2659..2916		

Seq. No.	2716	Seq. ID	OJ991202_16.0103.C3
Gene No.	5695	Strand	+
Start	9990	End	14948
Name	OJ991202_16.0103.C3.o3.np	Method	AAT/NAP
Start	9990	End	14948
GI	6815097	Score	307
Exons	9990..10703, 11689..11748, 14923..14948		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	2716	Seq. ID	OJ991202_16.0103.C3
Gene No.	5696	Strand	-
Start	1	End	1164
Name	OJ991202_16.0103.C3.o1.np	Method	AAT/NAP
Start	1	End	518
GI	5091513	Score	852
Exons	1..518		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	2716	Seq. ID	OJ991202_16.0103.C3
Gene No.	5696	Strand	-
Start	1	End	1164
Name	OJ991202_16.0103.C3.o1.gs	Method	GENSCAN
Start	19	End	1164
GI	none	Score	.46
Exons	19..538, 715..878, 992..1164		

Seq. No.	2716	Seq. ID	OJ991202_16.0103.C3
Gene No.	5697	Strand	-
Start	3222	End	3573
Name	OJ991202_16.0103.C3.o3.gs	Method	GENSCAN
Start	3222	End	3573
GI	none	Score	.51
Exons	3222..3295, 3444..3573		

Seq. No.	2716	Seq. ID	OJ991202_16.0103.C3
Gene No.	5698	Strand	-
Start	11673	End	22288
Name	OJ991202_16.0103.C3.o6.gs	Method	GENSCAN
Start	11673	End	22288
GI	none	Score	.64

Exons	11673..11785, 12428..12498, 12853..12917, 14515..14688, 16136..16756, 16887..18453, 22077..22288		
Seq. No.	2716	Seq. ID	OJ991202_16.0103.C3
Gene No.	5698	Strand	-
Start	11673	End	22288
Name	OJ991202_16.0103.C3.o4.np	Method	AAT/NAP
Start	14291	End	15232
GI	6466937	Score	317
Exons	14291..15232		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	2716	Seq. ID	OJ991202_16.0103.C3
Gene No.	5698	Strand	-
Start	11673	End	22288
Name	OJ991202_16.0103.C3.o1.tm	Method	TBLASTX:Maize
Start	14398	End	15061
GI	none	Score	72
Exons	14398..14574, 14419..14580, 14652..14756, 14662..14757, 14755..14967, 15005..15061		

Seq. No.	2716	Seq. ID	OJ991202_16.0103.C3
Gene No.	5698	Strand	-
Start	11673	End	22288
Name	OJ991202_16.0103.C3.o1.tw	Method	TBLASTX:Wheat
Start	14779	End	15174
GI	none	Score	91
Exons	14779..14946, 15017..15094, 15097..15174		

Seq. No.	2717	Seq. ID	OJ991202_16.0103.C4
Gene No.	5699	Strand	+
Start	299	End	3912
Name	OJ991202_16.0103.C4.o1.gs	Method	GENSCAN
Start	299	End	3912
GI	none	Score	.51
Exons	299..469, 1912..2049, 2524..2621, 3746..3823, 3867..3912		

Seq. No.	2717	Seq. ID	OJ991202_16.0103.C4
Gene No.	5700	Strand	+
Start	14001	End	15055
Name	OJ991202_16.0103.C4.o1.np	Method	AAT/NAP
Start	14001	End	15055
GI	126669	Score	52
Exons	14001..14253, 15033..15055		
GI Descrip.	M PROTEIN, SEROTYPE 5 PRECURSOR gi|80041|pir||A28616 protein M5 precursor - Streptococcus pyogenes gi|153813 (M20374) 5 M protein [Streptococcus pyogenes]		

Seq. No.	2717	Seq. ID	OJ991202_16.0103.C4
Gene No.	5701	Strand	-
Start	4388	End	8689
Name	OJ991202_16.0103.C4.o2.gs	Method	GENSCAN
Start	4388	End	8689
GI	none	Score	.53
Exons	4388..4434, 4626..4917, 5287..5310, 6315..6449, 8627..8689		

Seq. No.	2717	Seq. ID	OJ991202_16.0103.C4
Gene No.	5701	Strand	-
Start	4388	End	8689
Name	OJ991202_16.0103.C4.o1.gp	Method	AAT/GAP
Start	7530	End	8081
GI	4879016	Score	787
Exons	7530..8081		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	2717	Seq. ID	OJ991202_16.0103.C4
Gene No.	5702	Strand	-
Start	9321	End	10279
Name	OJ991202_16.0103.C4.o3.gs	Method	GENSCAN
Start	9321	End	10279
GI	none	Score	.99
Exons	9321..9773, 9854..10279		

Seq. No.	2717	Seq. ID	OJ991202_16.0103.C4
Gene No.	5703	Strand	-
Start	10407	End	12764
Name	OJ991202_16.0103.C4.o4.gs	Method	GENSCAN
Start	10407	End	12764
GI	none	Score	.45
Exons	10407..11216, 11528..11600, 12035..12401, 12553..12667, 12681..12764		

Seq. No.	2717	Seq. ID	OJ991202_16.0103.C4
Gene No.	5704	Strand	-
Start	13410	End	13497
Name	OJ991202_16.0103.C4.o2.gp	Method	AAT/GAP
Start	13410	End	13497
GI	3760640	Score	101
Exons	13410..13497		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	2718	Seq. ID	OJ991202_16.0103.C5
Gene No.	5705	Strand	+
Start	15553	End	19344
Name	OJ991202_16.0103.C5.o1.np	Method	AAT/NAP
Start	15553	End	19344
GI	6630696	Score	6574
Exons	15553..19344		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	2718	Seq. ID	OJ991202_16.0103.C5
Gene No.	5705	Strand	+
Start	15553	End	19344
Name	OJ991202_16.0103.C5.o2.gp	Method	AAT/GAP
Start	15595	End	16485
GI	101595_1.R1084	Score	1451
Exons	15595..16295, 16411..16485		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to		

retrovirus-related POL polyproteins [Arabidopsis thaliana]'

Seq. No.	2718	Seq. ID	OJ991202_16.0103.C5
Gene No.	5706	Strand	+
Start	24129	End	24522
Name	OJ991202_16.0103.C5.o3.gp	Method	AAT/GAP
Start	24035	End	24522
GI	16165_1.R1084	Score	941
Exons	24035..24522		
GI Descrip.	'2118425/pir||S61830 2.0e-20 subtilisin/chymotrypsin inhibitor - maize >gi_475253_emb_CAA55588_ (X78988) proteinase inhibitor [Zea mays] >gi_475922_emb_CAA49593_ (X69972) proteinase inhibitor [Zea mays] >gi_559538_emb_CAA57677_ (X82187) substilin /chymotrypsin-like inhibitor [Zea mays]'		

Seq. No.	2718	Seq. ID	OJ991202_16.0103.C5
Gene No.	5706	Strand	+
Start	24129	End	24522
Name	OJ991202_16.0103.C5.o4.np	Method	AAT/NAP
Start	24099	End	24332
GI	6900314	Score	245
Exons	24099..24332		
GI Descrip.	(AJ250663) putative proteinase inhibitor [Hordeum vulgare]		

Seq. No.	2718	Seq. ID	OJ991202_16.0103.C5
Gene No.	5706	Strand	+
Start	24129	End	24522
Name	OJ991202_16.0103.C5.o4.gs	Method	GENSCAN
Start	24129	End	24335
GI	none	Score	.89
Exons	24129..24335		

Seq. No.	2718	Seq. ID	OJ991202_16.0103.C5
Gene No.	5707	Strand	-
Start	117	End	6949
Name	OJ991202_16.0103.C5.o1.gs	Method	GENSCAN
Start	117	End	6949
GI	none	Score	.63
Exons	117..120, 716..1091, 3052..3174, 3219..3391, 3544..3691, 4175..4568, 5107..5214, 6410..6433, 6640..6816, 6872..6949		

Seq. No.	2718	Seq. ID	OJ991202_16.0103.C5
Gene No.	5708	Strand	-
Start	8188	End	15217
Name	OJ991202_16.0103.C5.o1.gp	Method	AAT/GAP
Start	8188	End	8933
GI	none	Score	1356
Exons	8188..8933		

Seq. No.	2718	Seq. ID	OJ991202_16.0103.C5
Gene No.	5708	Strand	-
Start	8188	End	15217
Name	OJ991202_16.0103.C5.o2.gs	Method	GENSCAN
Start	8507	End	15217
GI	none	Score	.75
Exons	8507..9013, 9142..10777, 11937..12198, 13035..13264, 13848..14079, 14348..14430, 14710..14925, 14932..15116,		

15146..15217

Seq. No.	2718	Seq. ID	OJ991202_16.0103.C5
Gene No.	5709	Strand	-
Start	22329	End	23634
Name	OJ991202_16.0103.C5.o7.tm	Method	TBLASTX:Maize
Start	721	End	12092
GI	none	Score	134
Exons	721..870, 734..871, 11899..12069, 11942..12091, 11949..12092		

Seq. No.	2718	Seq. ID	OJ991202_16.0103.C5
Gene No.	5709	Strand	-
Start	22329	End	23634
Name	OJ991202_16.0103.C5.o2.tw	Method	TBLASTX:Wheat
Start	11747	End	21515
GI	none	Score	105
Exons	11747..11809, 18733..18807, 18734..18793, 18738..18806, 18822..19208, 18823..19206, 21447..21515		

Seq. No.	2718	Seq. ID	OJ991202_16.0103.C5
Gene No.	5709	Strand	-
Start	22329	End	23634
Name	OJ991202_16.0103.C5.o4.tw	Method	TBLASTX:Wheat
Start	15448	End	15844
GI	none	Score	128
Exons	15448..15582, 15559..15843, 15633..15824, 15662..15844		

Seq. No.	2718	Seq. ID	OJ991202_16.0103.C5
Gene No.	5709	Strand	-
Start	22329	End	23634
Name	OJ991202_16.0103.C5.o4.tm	Method	TBLASTX:Maize
Start	15595	End	15903
GI	none	Score	318
Exons	15595..15903, 15642..15824, 15695..15838, 15724..15900		

Seq. No.	2718	Seq. ID	OJ991202_16.0103.C5
Gene No.	5709	Strand	-
Start	22329	End	23634
Name	OJ991202_16.0103.C5.o1.tm	Method	TBLASTX:Maize
Start	16426	End	16770
GI	none	Score	381
Exons	16426..16698, 16427..16699, 16428..16700, 16428..16700, 16729..16770		

Seq. No.	2718	Seq. ID	OJ991202_16.0103.C5
Gene No.	5709	Strand	-
Start	22329	End	23634
Name	OJ991202_16.0103.C5.o6.ts	Method	TBLASTX:Soybean
Start	16744	End	17124
GI	none	Score	87
Exons	16744..16893, 16876..17124		

Seq. No.	2718	Seq. ID	OJ991202_16.0103.C5
Gene No.	5709	Strand	-
Start	22329	End	23634
Name	OJ991202_16.0103.C5.o5.tm	Method	TBLASTX:Maize
Start	16882	End	17346

GI	none	Score	313
Exons	16882..17346, 17121..17339		
Seq. No.	2718	Seq. ID	OJ991202_16.0103.C5
Gene No.	5709	Strand	-
Start	22329	End	23634
Name	OJ991202_16.0103.C5.o5.tw	Method	TBLASTX:Wheat
Start	16989	End	17188
GI	none	Score	278
Exons	16989..17186, 16990..17187, 16997..17188		
Seq. No.	2718	Seq. ID	OJ991202_16.0103.C5
Gene No.	5709	Strand	-
Start	22329	End	23634
Name	OJ991202_16.0103.C5.o2.ts	Method	TBLASTX:Soybean
Start	17134	End	17532
GI	none	Score	207
Exons	17134..17355, 17136..17351, 17359..17532		
Seq. No.	2718	Seq. ID	OJ991202_16.0103.C5
Gene No.	5709	Strand	-
Start	22329	End	23634
Name	OJ991202_16.0103.C5.o1.tw	Method	TBLASTX:Wheat
Start	17189	End	17937
GI	none	Score	290
Exons	17189..17350, 17190..17648, 17190..17687, 17197..17937, 17387..17812, 17748..17933, 17755..17937		
Seq. No.	2718	Seq. ID	OJ991202_16.0103.C5
Gene No.	5709	Strand	-
Start	22329	End	23634
Name	OJ991202_16.0103.C5.o1.ts	Method	TBLASTX:Soybean
Start	17857	End	18321
GI	5509260	Score	388
Exons	17857..18321, 17952..18113		
GI Descrip.	-		
Seq. No.	2718	Seq. ID	OJ991202_16.0103.C5
Gene No.	5709	Strand	-
Start	22329	End	23634
Name	OJ991202_16.0103.C5.o1.tc	Method	TBLASTX:Cress
Start	17950	End	18210
GI	none	Score	291
Exons	17950..18210, 17952..18122		
Seq. No.	2718	Seq. ID	OJ991202_16.0103.C5
Gene No.	5709	Strand	-
Start	22329	End	23634
Name	OJ991202_16.0103.C5.o2.tm	Method	TBLASTX:Maize
Start	17991	End	18456
GI	none	Score	359
Exons	17991..18122, 17992..18456, 18127..18207, 18243..18353		
Seq. No.	2718	Seq. ID	OJ991202_16.0103.C5
Gene No.	5709	Strand	-
Start	22329	End	23634
Name	OJ991202_16.0103.C5.o3.tw	Method	TBLASTX:Wheat

Start	17992	End	18480
GI	none	Score	316
Exons	17992..18336, 18009..18173, 18331..18480		

Seq. No.	2718	Seq. ID	OJ991202_16.0103.C5
Gene No.	5709	Strand	-
Start	22329	End	23634
Name	OJ991202_16.0103.C5.o5.ts	Method	TBLASTX:Soybean
Start	18390	End	18717
GI	none	Score	83
Exons	18390..18437, 18391..18480, 18481..18537, 18537..18710, 18538..18717		

Seq. No.	2718	Seq. ID	OJ991202_16.0103.C5
Gene No.	5709	Strand	-
Start	22329	End	23634
Name	OJ991202_16.0103.C5.o3.tm	Method	TBLASTX:Maize
Start	18505	End	18876
GI	none	Score	358
Exons	18505..18876, 18528..18875		

Seq. No.	2718	Seq. ID	OJ991202_16.0103.C5
Gene No.	5709	Strand	-
Start	22329	End	23634
Name	OJ991202_16.0103.C5.o3.ts	Method	TBLASTX:Soybean
Start	18721	End	19095
GI	none	Score	117
Exons	18721..18852, 18727..18852, 18870..19001, 18871..19095		

Seq. No.	2718	Seq. ID	OJ991202_16.0103.C5
Gene No.	5709	Strand	-
Start	22329	End	23634
Name	OJ991202_16.0103.C5.o3.np	Method	AAT/NAP
Start	22329	End	23634
GI	6815099	Score	69
Exons	22329..22442, 23585..23634		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	2718	Seq. ID	OJ991202_16.0103.C5
Gene No.	5710	Strand	
Start	24137	End	24501
Name	OJ991202_16.0103.C5.o4.ts	Method	TBLASTX:Soybean
Start	24137	End	24332
GI	none	Score	228
Exons	24137..24205, 24153..24332, 24216..24272, 24272..24331		

Seq. No.	2718	Seq. ID	OJ991202_16.0103.C5
Gene No.	5710	Strand	
Start	24137	End	24501
Name	OJ991202_16.0103.C5.o6.tm	Method	TBLASTX:Maize
Start	24137	End	24501
GI	none	Score	251
Exons	24137..24331, 24153..24332, 24445..24501		

Seq. No.	2718	Seq. ID	OJ991202_16.0103.C5
Gene No.	5710	Strand	
Start	24137	End	24501

Name	OJ991202_16.0103.C5.o6.tw	Method	TBLASTX:Wheat
Start	24140	End	24334
GI	none	Score	223
Exons	24140..24334, 24153..24332		

Seq. No.	2719	Seq. ID	OJ991202_16.0103.C6
Gene No.	5711	Strand	+
Start	3887	End	6116
Name	OJ991202_16.0103.C6.o1.gp	Method	AAT/GAP
Start	3784	End	4202
GI	16165_2.R1084	Score	713
Exons	3784..4202		
GI Descrip.	'2118425/pir||S61830 2.0e-14 subtilisin/chymotrypsin inhibitor - maize >gi_475253_emb_CAA55588_ (X78988) proteinase inhibitor [Zea mays] >gi_475922_emb_CAA49593_ (X69972) proteinase inhibitor [Zea mays] >gi_559538_emb_CAA57677_ (X82187) substilin /chymotrypsin-like inhibitor [Zea mays]'		

Seq. No.	2719	Seq. ID	OJ991202_16.0103.C6
Gene No.	5711	Strand	+
Start	3887	End	6116
Name	OJ991202_16.0103.C6.o2.gs	Method	GENSCAN
Start	3887	End	6116
GI	none	Score	.8
Exons	3887..4052, 4590..4672, 5110..5844, 5964..6116		

Seq. No.	2719	Seq. ID	OJ991202_16.0103.C6
Gene No.	5711	Strand	+
Start	3887	End	6116
Name	OJ991202_16.0103.C6.o2.np	Method	AAT/NAP
Start	3898	End	4124
GI	2118425	Score	246
Exons	3898..4124		
GI Descrip.	subtilisin/chymotrypsin inhibitor - maize gi|475253|emb|CAA55588| (X78988) proteinase inhibitor [Zea mays] gi|475922|emb|CAA49593| (X69972) proteinase inhibitor [Zea mays] gi|559538|emb|CAA57677| (X82187) substilin /chymotrypsin-like inhibitor [Zea mays]		

Seq. No.	2719	Seq. ID	OJ991202_16.0103.C6
Gene No.	5712	Strand	+
Start	8519	End	8752
Name	OJ991202_16.0103.C6.o4.np	Method	AAT/NAP
Start	8501	End	8749
GI	6900314	Score	256
Exons	8501..8749		
GI Descrip.	(AJ250663) putative proteinase inhibitor [Hordeum vulgare]		

Seq. No.	2719	Seq. ID	OJ991202_16.0103.C6
Gene No.	5712	Strand	+
Start	8519	End	8752
Name	OJ991202_16.0103.C6.o3.gs	Method	GENSCAN
Start	8519	End	8752
GI	none	Score	.99
Exons	8519..8752		

Seq. No.	2719	Seq. ID	OJ991202_16.0103.C6

Gene No.	5713	Strand	-
Start	415	End	4611
Name	OJ991202_16.0103.C6.o1.gs	Method	GENSCAN
Start	415	End	1926
GI	none	Score	.5
Exons	415..536, 963..1146, 1254..1422, 1473..1651, 1861..1926		

Seq. No.	2719	Seq. ID	OJ991202_16.0103.C6
Gene No.	5713	Strand	-
Start	415	End	4611
Name	OJ991202_16.0103.C6.o1.np	Method	AAT/NAP
Start	418	End	4611
GI	6815052	Score	420
Exons	418..536, 807..881, 963..1141, 4565..4611		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	2719	Seq. ID	OJ991202_16.0103.C6
Gene No.	5714	Strand	-
Start	4680	End	4841
Name	OJ991202_16.0103.C6.o3.np	Method	AAT/NAP
Start	4680	End	4841
GI	5852172	Score	67
Exons	4680..4841		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	2719	Seq. ID	OJ991202_16.0103.C6
Gene No.	5715	Strand	-
Start	9804	End	14790
Name	OJ991202_16.0103.C6.o2.ts	Method	TBLASTX:Soybean
Start	3914	End	8752
GI	none	Score	130
Exons	3914..4048, 3946..4047, 4049..4123, 4050..4136, 8548..8748, 8549..8752		

Seq. No.	2719	Seq. ID	OJ991202_16.0103.C6
Gene No.	5715	Strand	-
Start	9804	End	14790
Name	OJ991202_16.0103.C6.o1.tw	Method	TBLASTX:Wheat
Start	3920	End	8752
GI	none	Score	159
Exons	3920..4045, 3940..4044, 4053..4142, 4055..4141, 8563..8751, 8564..8752		

Seq. No.	2719	Seq. ID	OJ991202_16.0103.C6
Gene No.	5715	Strand	-
Start	9804	End	14790
Name	OJ991202_16.0103.C6.o2.tm	Method	TBLASTX:Maize
Start	3941	End	8752
GI	none	Score	157
Exons	3941..4045, 3943..4044, 4052..4123, 4053..4127, 8533..8748, 8537..8752		

Seq. No.	2719	Seq. ID	OJ991202_16.0103.C6
Gene No.	5715	Strand	-
Start	9804	End	14790
Name	OJ991202_16.0103.C6.o4.gs	Method	GENSCAN
Start	9804	End	14781

GI	none	Score	.59
Exons	9804..9837, 11405..11526, 11554..11692, 13154..13217, 13476..13525, 13654..13766, 13863..14009, 14506..14592, 14731..14781		

Seq. No.	2719	Seq. ID	OJ991202_16.0103.C6
Gene No.	5715	Strand	-
Start	9804	End	14790
Name	OJ991202_16.0103.C6.o1.tm	Method	TBLASTX:Maize
Start	13085	End	14787
GI	none	Score	68
Exons	13085..13186, 13106..13207, 13186..13221, 13190..13249, 13470..13538, 13477..13527, 13614..13667, 13653..13763, 13653..13772, 13654..13773, 13849..13944, 13857..13949, 13862..13945, 13863..13946, 13864..13950, 14504..14593, 14504..14593, 14728..14781, 14729..14782, 14731..14787		

Seq. No.	2719	Seq. ID	OJ991202_16.0103.C6
Gene No.	5715	Strand	-
Start	9804	End	14790
Name	OJ991202_16.0103.C6.o1.ts	Method	TBLASTX:Soybean
Start	13140	End	14781
GI	none	Score	89
Exons	13140..13220, 13148..13249, 13150..13221, 13465..13527, 13479..13538, 13653..13772, 13654..13770, 13863..13949, 14510..14593, 14728..14781		

Seq. No.	2719	Seq. ID	OJ991202_16.0103.C6
Gene No.	5715	Strand	-
Start	9804	End	14790
Name	OJ991202_16.0103.C6.o3.gp	Method	AAT/GAP
Start	13143	End	13745
GI	LIB3479-007-Q6-K1-B4	Score	386
Exons	13143..13217, 13476..13525, 13654..13745		
GI Descrip.	'3063661/gb|AAC14280.1| 5.0e-36 (AF058391) nucleoside diphosphate kinase Ia [Arabidopsis thaliana]'		

Seq. No.	2719	Seq. ID	OJ991202_16.0103.C6
Gene No.	5715	Strand	-
Start	9804	End	14790
Name	OJ991202_16.0103.C6.o1.tc	Method	TBLASTX:Cress
Start	13150	End	13955
GI	none	Score	79
Exons	13150..13221, 13151..13228, 13465..13500, 13475..13501, 13487..13531, 13494..13547, 13495..13563, 13635..13769, 13635..13784, 13648..13806, 13854..13955, 13858..13944		

Seq. No.	2719	Seq. ID	OJ991202_16.0103.C6
Gene No.	5715	Strand	-
Start	9804	End	14790
Name	OJ991202_16.0103.C6.o5.np	Method	AAT/NAP
Start	13153	End	14790
GI	3063661	Score	520
Exons	13153..13217, 13476..13525, 13654..13766, 13863..13943, 14506..14592, 14731..14790		
GI Descrip.	(AF058391) nucleoside diphosphate kinase Ia [Arabidopsis thaliana]		

Seq. No.	2719	Seq. ID	OJ991202_16.0103.C6
Gene No.	5715	Strand	-
Start	9804	End	14790
Name	OJ991202_16.0103.C6.o2.tw	Method	TBLASTX:Wheat
Start	13477	End	13950
GI	none	Score	85
Exons	13477..13545, 13653..13763, 13654..13770, 13857..13949, 13858..13950		

Seq. No.	2719	Seq. ID	OJ991202_16.0103.C6
Gene No.	5715	Strand	-
Start	9804	End	14790
Name	OJ991202_16.0103.C6.o4.gp	Method	AAT/GAP
Start	13717	End	13949
GI	702913	Score	213
Exons	13717..13766, 13863..13949		
GI Descrip.	3063661/gb|AAC14280.1| 5.0e-36 (AF058391) nucleoside diphosphate kinase Ia [Arabidopsis thaliana]		

Seq. No.	2719	Seq. ID	OJ991202_16.0103.C6
Gene No.	5715	Strand	-
Start	9804	End	14790
Name	OJ991202_16.0103.C6.o5.gp	Method	AAT/GAP
Start	14279	End	14785
GI	702913	Score	211
Exons	14279..14301, 14505..14592, 14731..14785		
GI Descrip.	3063661/gb|AAC14280.1| 5.0e-36 (AF058391) nucleoside diphosphate kinase Ia [Arabidopsis thaliana]		

Seq. No.	2719	Seq. ID	OJ991202_16.0103.C6
Gene No.	5715	Strand	-
Start	9804	End	14790
Name	OJ991202_16.0103.C6.o6.gp	Method	AAT/GAP
Start	14505	End	14785
GI	702913	Score	213
Exons	14505..14592, 14731..14785		
GI Descrip.	3063661/gb|AAC14280.1| 5.0e-36 (AF058391) nucleoside diphosphate kinase Ia [Arabidopsis thaliana]		

Seq. No.	2720	Seq. ID	OJ991202_16.0103.C7
Gene No.	5716	Strand	+
Start	3670	End	4038
Name	OJ991202_16.0103.C7.o1.gs	Method	GENSCAN
Start	3670	End	4038
GI	none	Score	.83
Exons	3670..4038		

Seq. No.	2720	Seq. ID	OJ991202_16.0103.C7
Gene No.	5717	Strand	+
Start	5866	End	13529
Name	OJ991202_16.0103.C7.o2.gs	Method	GENSCAN
Start	5866	End	12321
GI	none	Score	.82
Exons	5866..6157, 6229..6652, 6820..7284, 8139..9741, 9827..9947, 10046..10143, 10336..10401, 11269..11358, 12019..12195, 12292..12321		

Seq. No.	2720	Seq. ID	OJ991202_16.0103.C7
Gene No.	5717	Strand	+
Start	5866	End	13529
Name	OJ991202_16.0103.C7.o2.np	Method	AAT/NAP
Start	6701	End	13031
GI	4586253	Score	1430
Exons	6701..7292, 8139..8405, 8481..9462, 9526..9607, 9647..9763, 9820..9971, 10064..10187, 10333..10401, 11269..11358, 12019..12195, 12996..13031		
GI Descrip.	(AL049640) auxilin-like protein [Arabidopsis thaliana]		

Seq. No.	2720	Seq. ID	OJ991202_16.0103.C7
Gene No.	5717	Strand	+
Start	5866	End	13529
Name	OJ991202_16.0103.C7.o2.gp	Method	AAT/GAP
Start	7169	End	8328
GI	none	Score	561
Exons	7169..7284, 8139..8328		

Seq. No.	2720	Seq. ID	OJ991202_16.0103.C7
Gene No.	5717	Strand	+
Start	5866	End	13529
Name	OJ991202_16.0103.C7.o3.gp	Method	AAT/GAP
Start	9571	End	13529
GI	16295_1.R1084	Score	2348
Exons	9571..9741, 9827..9947, 10046..10143, 10336..10401, 11269..11358, 12019..12195, 12996..13529		
GI Descrip.	'4586253/emb|CAB40994.1| 4.0e-66 (AL049640) auxilin-like protein [Arabidopsis thaliana]'		

Seq. No.	2720	Seq. ID	OJ991202_16.0103.C7
Gene No.	5718	Strand	-
Start	3649	End	3965
Name	OJ991202_16.0103.C7.o1.gp	Method	AAT/GAP
Start	3649	End	3965
GI	702913	Score	279
Exons	3649..3709, 3848..3965		
GI Descrip.	3063661/gb|AAC14280.1| 5.0e-36 (AF058391) nucleoside diphosphate kinase Ia [Arabidopsis thaliana]		

Seq. No.	2720	Seq. ID	OJ991202_16.0103.C7
Gene No.	5719	Strand	-
Start	13481	End	14173
Name	OJ991202_16.0103.C7.o3.tm	Method	TBLASTX:Maize
Start	8271	End	8655
GI	none	Score	255
Exons	8271..8561, 8272..8562, 8453..8566, 8600..8650, 8602..8655		

Seq. No.	2720	Seq. ID	OJ991202_16.0103.C7
Gene No.	5719	Strand	-
Start	13481	End	14173
Name	OJ991202_16.0103.C7.o1.tm	Method	TBLASTX:Maize
Start	8658	End	9520
GI	none	Score	143
Exons	8658..8774, 8659..8748, 8724..8780, 8743..8784, 8751..8780, 8753..8785, 8779..8895, 8786..8914, 8786..8911, 8839..8922,		

8907..9011, 8907..9026, 8915..9142, 8923..9108, 9005..9112,
9087..9185, 9194..9241, 9242..9382, 9349..9483, 9482..9520

Seq. No.	2720	Seq. ID	OJ991202_16.0103.C7
Gene No.	5719	Strand	-
Start	13481	End	14173
Name	OJ991202_16.0103.C7.o2.tm	Method	TBLASTX:Maize
Start	9523	End	13422
GI	none	Score	143
Exons	9523..9558, 9563..9583, 9649..9738, 9666..9743, 9681..9749, 9803..9862, 9819..9881, 9827..9862, 9848..9946, 9849..9950, 9871..9945, 9881..9952, 10055..10147, 10085..10144, 10335..10400, 10336..10401, 11259..11360, 11269..11361, 12008..12046, 12018..12197, 12019..12195, 12086..12196, 12993..13040, 12995..13042, 13062..13184, 13258..13281, 13292..13321, 13299..13334, 13384..13419, 13387..13422		

Seq. No.	2720	Seq. ID	OJ991202_16.0103.C7
Gene No.	5719	Strand	-
Start	13481	End	14173
Name	OJ991202_16.0103.C7.o1.tc	Method	TBLASTX:Cress
Start	10335	End	12197
GI	none	Score	95
Exons	10335..10394, 10336..10398, 11280..11360, 11281..11361, 12018..12197, 12019..12195		

Seq. No.	2720	Seq. ID	OJ991202_16.0103.C7
Gene No.	5719	Strand	-
Start	13481	End	14173
Name	OJ991202_16.0103.C7.o1.ts	Method	TBLASTX:Soybean
Start	11278	End	12197
GI	none	Score	103
Exons	11278..11361, 11280..11348, 12007..12195, 12010..12105, 12012..12197		

Seq. No.	2720	Seq. ID	OJ991202_16.0103.C7
Gene No.	5719	Strand	-
Start	13481	End	14173
Name	OJ991202_16.0103.C7.o3.gs	Method	GENSCAN
Start	13481	End	14173
GI	none	Score	.71
Exons	13481..13633, 14114..14173		

Seq. No.	2721	Seq. ID	OJ991202_16.0103.C8
Gene No.	5720	Strand	-
Start	27	End	627
Name	OJ991202_16.0103.C8.o1.np	Method	AAT/NAP
Start	27	End	627
GI	418604	Score	1036
Exons	27..627		
GI Descrip.	HYPOTHETICAL 35.6 KD PROTEIN IN RPME-TDK INTERGENIC REGION (ORFP)		

Seq. No.	2722	Seq. ID	OJ991022_13.0119.C1
Gene No.	5721	Strand	-
Start	1085	End	1657
Name	OJ991022_13.0119.C1.o1.gs	Method	GENSCAN

Start	1085	End	1657
GI	none	Score	.55
Exons	1085..1205, 1596..1657		

Seq. No.	2723	Seq. ID	OJ991022_13.0119.C3
Gene No.	5722	Strand	-
Start	589	End	711
Name	OJ991022_13.0119.C3.o1.gs	Method	GENSCAN
Start	589	End	711
GI	none	Score	.74
Exons	589..711		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5723	Strand	+
Start	14175	End	20803
Name	OJ991022_13.0119.C4.o2.gs	Method	GENSCAN
Start	14175	End	20803
GI	none	Score	.66
Exons	14175..14317, 14843..15083, 16715..16849, 17118..17166, 20637..20803		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5724	Strand	+
Start	22954	End	23691
Name	OJ991022_13.0119.C4.o3.gs	Method	GENSCAN
Start	22954	End	23691
GI	none	Score	.88
Exons	22954..23691		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5725	Strand	+
Start	29283	End	38607
Name	OJ991022_13.0119.C4.o5.gs	Method	GENSCAN
Start	29283	End	37870
GI	none	Score	.59
Exons	29283..29314, 30066..30189, 30250..30321, 33657..33943, 34050..34392, 35088..35237, 35354..35620, 37514..37870		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5725	Strand	+
Start	29283	End	38607
Name	OJ991022_13.0119.C4.o4.np	Method	AAT/NAP
Start	29286	End	29800
GI	6539571	Score	55
Exons	29286..29408, 29703..29800		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5725	Strand	+
Start	29283	End	38607
Name	OJ991022_13.0119.C4.o5.np	Method	AAT/NAP
Start	33826	End	38607
GI	4176420	Score	931
Exons	33826..33943, 34050..34392, 35088..35237, 35354..35620, 36899..36988, 37514..37847, 38487..38607		
GI Descrip.	(AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5726	Strand	-
Start	536	End	12278
Name	OJ991022_13.0119.C4.o1.gs	Method	GENSCAN
Start	536	End	12278
GI	none	Score	.41
Exons	536..700, 2417..2602, 2658..2797, 3237..3312, 4715..4828, 5327..5420, 6062..6191, 6217..6370, 6931..8460, 8584..9120, 9261..10412, 10469..11169, 11592..11850, 11878..12062, 12233..12278		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5726	Strand	-
Start	536	End	12278
Name	OJ991022_13.0119.C4.o1.np	Method	AAT/NAP
Start	6810	End	10918
GI	6539558	Score	3248
Exons	6810..10918		
GI Descrip.	(AP000836) Similar to putative polyprotein (AC006248) [Oryza sativa]		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5727	Strand	-
Start	14788	End	23550
Name	OJ991022_13.0119.C4.o2.np	Method	AAT/NAP
Start	14788	End	23550
GI	1903367	Score	246
Exons	14788..14840, 23058..23550		
GI Descrip.	(AC000104) ESTs gb|N65789,gb|T04628 come from this gene. [Arabidopsis thaliana]		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5728	Strand	-
Start	25071	End	29668
Name	OJ991022_13.0119.C4.o4.gs	Method	GENSCAN
Start	25071	End	27199
GI	none	Score	.8
Exons	25071..25179, 26131..26282, 26713..26813, 27079..27199		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5728	Strand	-
Start	25071	End	29668
Name	OJ991022_13.0119.C4.o3.np	Method	AAT/NAP
Start	26124	End	29668
GI	5852172	Score	62
Exons	26124..26282, 29647..29668		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5729	Strand	-
Start	38740	End	40678
Name	OJ991022_13.0119.C4.o6.tm	Method	TBLASTX:Maize
Start	1	End	2567
GI	none	Score	64
Exons	1..66, 3..62, 536..703, 540..701, 544..711, 2406..2567, 2414..2566		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5729	Strand	-
Start	38740	End	40678
Name	OJ991022_13.0119.C4.o7.ts	Method	TBLASTX:Soybean
Start	1	End	703
GI	none	Score	208
Exons	1..66, 536..703, 540..701		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5729	Strand	-
Start	38740	End	40678
Name	OJ991022_13.0119.C4.o6.tc	Method	TBLASTX:Cress
Start	536	End	2593
GI	none	Score	168
Exons	536..703, 540..701, 2406..2567, 2414..2593, 2415..2591		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5729	Strand	-
Start	38740	End	40678
Name	OJ991022_13.0119.C4.o4.ts	Method	TBLASTX:Soybean
Start	6817	End	7488
GI	none	Score	47
Exons	6817..7299, 6968..7024, 7127..7294, 7318..7488		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5729	Strand	-
Start	38740	End	40678
Name	OJ991022_13.0119.C4.o6.tw	Method	TBLASTX:Wheat
Start	6874	End	7299
GI	none	Score	59
Exons	6874..7053, 7090..7299, 7094..7189		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5729	Strand	-
Start	38740	End	40678
Name	OJ991022_13.0119.C4.o1.tc	Method	TBLASTX:Cress
Start	6960	End	7510
GI	none	Score	83
Exons	6960..7109, 6967..7095, 7091..7204, 7093..7209, 7213..7299, 7220..7285, 7327..7509, 7328..7510		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5729	Strand	-
Start	38740	End	40678
Name	OJ991022_13.0119.C4.o1.tm	Method	TBLASTX:Maize
Start	7093	End	7551
GI	none	Score	198
Exons	7093..7320, 7103..7297, 7321..7548, 7322..7513, 7345..7551		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5729	Strand	-
Start	38740	End	40678
Name	OJ991022_13.0119.C4.o9.tm	Method	TBLASTX:Maize
Start	7621	End	8016
GI	none	Score	88
Exons	7621..8016, 7808..8014		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5729	Strand	-
Start	38740	End	40678
Name	OJ991022_13.0119.C4.o1.tw	Method	TBLASTX:Wheat
Start	7657	End	8196
GI	none	Score	80
Exons	7657..7860, 7852..8196, 7940..8041		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5729	Strand	-
Start	38740	End	40678
Name	OJ991022_13.0119.C4.o1.ts	Method	TBLASTX:Soybean
Start	7861	End	8391
GI	5509260	Score	117
Exons	7861..8391, 7886..8044, 7888..8346, 8075..8365		
GI Descrip.	-		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5729	Strand	-
Start	38740	End	40678
Name	OJ991022_13.0119.C4.o5.tc	Method	TBLASTX:Cress
Start	7978	End	8239
GI	none	Score	157
Exons	7978..8238, 7997..8239		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5729	Strand	-
Start	38740	End	40678
Name	OJ991022_13.0119.C4.o3.tm	Method	TBLASTX:Maize
Start	8017	End	8328
GI	none	Score	202
Exons	8017..8328, 8018..8326, 8032..8328		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5729	Strand	-
Start	38740	End	40678
Name	OJ991022_13.0119.C4.o2.ts	Method	TBLASTX:Soybean
Start	8725	End	9202
GI	none	Score	94
Exons	8725..9126, 8725..9132, 8906..9130, 8948..9133, 9137..9202		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5729	Strand	-
Start	38740	End	40678
Name	OJ991022_13.0119.C4.o4.tc	Method	TBLASTX:Cress
Start	8740	End	9135
GI	none	Score	81
Exons	8740..9135, 8743..8934, 8986..9120		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5729	Strand	-
Start	38740	End	40678
Name	OJ991022_13.0119.C4.o2.tm	Method	TBLASTX:Maize
Start	8803	End	9223
GI	none	Score	222
Exons	8803..8874, 8881..9135, 8897..9127, 8942..9166, 9146..9223		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5729	Strand	-
Start	38740	End	40678
Name	OJ991022_13.0119.C4.o3.tw	Method	TBLASTX:Wheat
Start	8812	End	9440
GI	none	Score	173
Exons	8812..8880, 8875..8964, 8971..9135, 9140..9226, 9207..9440		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5729	Strand	-
Start	38740	End	40678
Name	OJ991022_13.0119.C4.o8.ts	Method	TBLASTX:Soybean
Start	9291	End	9575
GI	none	Score	216
Exons	9291..9575, 9399..9479		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5729	Strand	-
Start	38740	End	40678
Name	OJ991022_13.0119.C4.o10.tm	Method	TBLASTX:Maize
Start	9517	End	9881
GI	none	Score	53
Exons	9517..9621, 9519..9620, 9600..9803, 9636..9803, 9792..9881		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5729	Strand	-
Start	38740	End	40678
Name	OJ991022_13.0119.C4.o2.tw	Method	TBLASTX:Wheat
Start	9519	End	9965
GI	none	Score	60
Exons	9519..9599, 9598..9645, 9600..9965, 9685..9945		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5729	Strand	-
Start	38740	End	40678
Name	OJ991022_13.0119.C4.o9.ts	Method	TBLASTX:Soybean
Start	9873	End	10873
GI	none	Score	189
Exons	9873..10001, 10481..10873		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5729	Strand	-
Start	38740	End	40678
Name	OJ991022_13.0119.C4.o8.tm	Method	TBLASTX:Maize
Start	9891	End	10603
GI	none	Score	92
Exons	9891..10001, 9898..10008, 10104..10265, 10368..10442, 10448..10603		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5729	Strand	-
Start	38740	End	40678
Name	OJ991022_13.0119.C4.o7.tw	Method	TBLASTX:Wheat
Start	10496	End	10879
GI	none	Score	99
Exons	10496..10867, 10499..10879		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5729	Strand	-
Start	38740	End	40678
Name	OJ991022_13.0119.C4.o11.tm	Method	TBLASTX:Maize
Start	10739	End	11006
GI	none	Score	82
Exons	10739..10993, 10764..11006, 10773..10991		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5729	Strand	-
Start	38740	End	40678
Name	OJ991022_13.0119.C4.o6.ts	Method	TBLASTX:Soybean
Start	23083	End	23619
GI	none	Score	74
Exons	23083..23169, 23236..23544, 23306..23398, 23593..23619		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5729	Strand	-
Start	38740	End	40678
Name	OJ991022_13.0119.C4.o7.tc	Method	TBLASTX:Cress
Start	23257	End	23544
GI	none	Score	68
Exons	23257..23544, 23303..23398		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5729	Strand	-
Start	38740	End	40678
Name	OJ991022_13.0119.C4.o7.tm	Method	TBLASTX:Maize
Start	23281	End	23649
GI	none	Score	121
Exons	23281..23541, 23303..23401, 23510..23539, 23593..23649, 23594..23620		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5729	Strand	-
Start	38740	End	40678
Name	OJ991022_13.0119.C4.o3.tc	Method	TBLASTX:Cress
Start	33839	End	38559
GI	none	Score	118
Exons	33839..33934, 33840..33932, 34051..34305, 34051..34134, 34149..34217, 35084..35242, 35094..35318, 35477..35617, 36881..37006, 37502..37594, 37513..37593, 37607..37705, 37609..37704, 37715..37801, 37758..37838, 37765..37851, 38488..38559		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5729	Strand	-
Start	38740	End	40678
Name	OJ991022_13.0119.C4.o3.ts	Method	TBLASTX:Soybean
Start	33839	End	34296
GI	none	Score	127
Exons	33839..33937, 33840..33932, 34038..34088, 34045..34296, 34152..34280		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5729	Strand	-
Start	38740	End	40678

Name	OJ991022_13.0119.C4.o5.tm	Method	TBLASTX:Maize
Start	35444	End	38571
GI	none	Score	62
Exons	35444..35491, 35474..35620, 35492..35635, 36881..37006, 36898..36996, 37487..37594, 37510..37593, 37607..37714, 37612..37707, 37745..37801, 37745..37801, 37782..37853, 37783..37854, 38481..38570, 38485..38571		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5729	Strand	-
Start	38740	End	40678
Name	OJ991022_13.0119.C4.o6.gs	Method	GENSCAN
Start	38740	End	40306
GI	none	Score	.61
Exons	38740..38802, 38845..38967, 39842..40030, 40202..40306		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5729	Strand	-
Start	38740	End	40678
Name	OJ991022_13.0119.C4.o4.tm	Method	TBLASTX:Maize
Start	39669	End	40367
GI	none	Score	86
Exons	39669..39776, 39693..39776, 39831..40031, 39842..40042, 39842..40030, 39964..40044, 40199..40354, 40199..40336, 40199..40360, 40200..40361, 40200..40367, 40229..40309		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5729	Strand	-
Start	38740	End	40678
Name	OJ991022_13.0119.C4.o2.tc	Method	TBLASTX:Cress
Start	39708	End	40301
GI	none	Score	63
Exons	39708..39776, 39712..39768, 39840..40031, 39842..40030, 40199..40300, 40200..40301		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5729	Strand	-
Start	38740	End	40678
Name	OJ991022_13.0119.C4.o5.ts	Method	TBLASTX:Soybean
Start	39708	End	40361
GI	none	Score	64
Exons	39708..39776, 39712..39768, 39839..40033, 39842..40030, 39855..40043, 39862..40044, 39964..40044, 40189..40344, 40199..40360, 40200..40361, 40200..40361		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5729	Strand	-
Start	38740	End	40678
Name	OJ991022_13.0119.C4.o6.np	Method	AAT/NAP
Start	39711	End	40678
GI	3643607	Score	551
Exons	39711..39767, 39842..40030, 40202..40362, 40657..40678		
GI Descrip.	(AC005395) unknown protein [Arabidopsis thaliana]		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5729	Strand	-
Start	38740	End	40678

Name	OJ991022_13.0119.C4.o5.tw	Method	TBLASTX:Wheat
Start	39717	End	39980
GI	none	Score	49
Exons	39717..39776, 39718..39780, 39840..39980, 39842..39979		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5729	Strand	-
Start	38740	End	40678
Name	OJ991022_13.0119.C4.o1.gp	Method	AAT/GAP
Start	39967	End	40366
GI	uC-osf1cyp053h01b1	Score	404
Exons	39967..40030, 40202..40366		
GI Descrip.	'3643607 3.0e-73 (AC005395) unknown protein [Arabidopsis thaliana]'		

Seq. No.	2724	Seq. ID	OJ991022_13.0119.C4
Gene No.	5729	Strand	-
Start	38740	End	40678
Name	OJ991022_13.0119.C4.o4.tw	Method	TBLASTX:Wheat
Start	40189	End	40362
GI	none	Score	249
Exons	40189..40353, 40199..40360, 40199..40288, 40200..40361, 40200..40361, 40201..40362, 40229..40309		

Seq. No.	2725	Seq. ID	OJ991022_13.0119.C5
Gene No.	5730	Strand	-
Start	1	End	909
Name	OJ991022_13.0119.C5.o1.np	Method	AAT/NAP
Start	1	End	900
GI	3643611	Score	504
Exons	1..213, 312..378, 448..542, 639..710, 798..900		
GI Descrip.	(AC005395) putative casein kinase I [Arabidopsis thaliana]		

Seq. No.	2725	Seq. ID	OJ991022_13.0119.C5
Gene No.	5730	Strand	-
Start	1	End	909
Name	OJ991022_13.0119.C5.o1.gp	Method	AAT/GAP
Start	23	End	515
GI	none	Score	198
Exons	23..56, 313..378, 448..515		

Seq. No.	2725	Seq. ID	OJ991022_13.0119.C5
Gene No.	5730	Strand	-
Start	1	End	909
Name	OJ991022_13.0119.C5.o1.tc	Method	TBLASTX:Cress
Start	82	End	639
GI	none	Score	64
Exons	82..210, 83..211, 84..215, 85..216, 311..379, 312..389, 443..526, 449..526, 453..527, 456..527, 586..639		

Seq. No.	2725	Seq. ID	OJ991022_13.0119.C5
Gene No.	5730	Strand	-
Start	1	End	909
Name	OJ991022_13.0119.C5.o1.ts	Method	TBLASTX:Soybean
Start	82	End	909
GI	none	Score	72
Exons	82..210, 84..212, 84..215, 91..216, 311..379, 312..380,		

443..541, 444..539, 450..542, 632..709, 647..715, 797..862,
801..851, 811..909, 812..862, 814..900

Seq. No.	2725	Seq. ID	OJ991022_13.0119.C5
Gene No.	5730	Strand	-
Start	1	End	909
Name	OJ991022_13.0119.C5.o1.gs	Method	GENSCAN
Start	84	End	844
GI	none	Score	.46
Exons	84..213, 639..710, 798..844		

Seq. No.	2725	Seq. ID	OJ991022_13.0119.C5
Gene No.	5730	Strand	-
Start	1	End	909
Name	OJ991022_13.0119.C5.o1.tm	Method	TBLASTX:Maize
Start	120	End	863
GI	none	Score	132
Exons	120..215, 121..216, 310..375, 311..379, 312..380, 443..541, 444..542, 450..542, 452..544, 607..708, 616..672, 632..715, 635..715, 770..853, 796..852, 797..862, 798..863		

Seq. No.	2726	Seq. ID	OJ991022_13.0119.C6
Gene No.	5731	Strand	+
Start	8832	End	9903
Name	OJ991022_13.0119.C6.o2.gs	Method	GENSCAN
Start	8832	End	9903
GI	none	Score	.74
Exons	8832..8913, 9662..9903		

Seq. No.	2726	Seq. ID	OJ991022_13.0119.C6
Gene No.	5732	Strand	-
Start	1212	End	1745
Name	OJ991022_13.0119.C6.o1.np	Method	AAT/NAP
Start	1212	End	1745
GI	3643611	Score	265
Exons	1212..1315, 1471..1544, 1632..1745		
GI Descrip.	(AC005395) putative casein kinase I [Arabidopsis thaliana]		

Seq. No.	2726	Seq. ID	OJ991022_13.0119.C6
Gene No.	5733	Strand	-
Start	3691	End	3896
Name	OJ991022_13.0119.C6.o1.gp	Method	AAT/GAP
Start	3691	End	3896
GI	2312068	Score	388
Exons	3691..3896		

Seq. No.	2726	Seq. ID	OJ991022_13.0119.C6
Gene No.	5734	Strand	-
Start	14336	End	14841
Name	OJ991022_13.0119.C6.o2.gp	Method	AAT/GAP
Start	14336	End	14841
GI	none	Score	984
Exons	14336..14841		

Seq. No.	2726	Seq. ID	OJ991022_13.0119.C6
Gene No.	5735	Strand	-
Start	15468	End	20942

Name	OJ991022_13.0119.C6.o1.ts	Method	TBLASTX:Soybean
Start	1473	End	1772
GI	none	Score	85
Exons	1473..1547, 1477..1545, 1668..1772		

Seq. No.	2726	Seq. ID	OJ991022_13.0119.C6
Gene No.	5735	Strand	-
Start	15468	End	20942
Name	OJ991022_13.0119.C6.o4.gs	Method	GENSCAN
Start	15468	End	20853
GI	none	Score	.6
Exons	15468..15587, 16659..17020, 17467..17624, 17865..18185, 20711..20853		

Seq. No.	2726	Seq. ID	OJ991022_13.0119.C6
Gene No.	5735	Strand	-
Start	15468	End	20942
Name	OJ991022_13.0119.C6.o2.np	Method	AAT/NAP
Start	18489	End	20942
GI	4680341	Score	372
Exons	18489..18526, 20135..20210, 20476..20827, 20886..20942		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	2727	Seq. ID	OJ991022_13.0119.C7
Gene No.	5736	Strand	+
Start	558	End	922
Name	OJ991022_13.0119.C7.o1.gs	Method	GENSCAN
Start	558	End	922
GI	none	Score	.64
Exons	558..605, 902..922		

Seq. No.	2728	Seq. ID	OJ991022_13.0119.C8
Gene No.	5737	Strand	+
Start	13992	End	16177
Name	OJ991022_13.0119.C8.o3.gs	Method	GENSCAN
Start	13992	End	16177
GI	none	Score	.76
Exons	13992..14054, 14724..14822, 15094..15210, 15636..15908, 16055..16177		

Seq. No.	2728	Seq. ID	OJ991022_13.0119.C8
Gene No.	5738	Strand	-
Start	690	End	861
Name	OJ991022_13.0119.C8.o1.gp	Method	AAT/GAP
Start	690	End	861
GI	10431_1.R1084	Score	300
Exons	690..861		
GI Descrip.	'1256198/dbj|D63711|RICTNR3 4.0e-82 Rice transposon Tnr3 DNA, complete sequence'		

Seq. No.	2728	Seq. ID	OJ991022_13.0119.C8
Gene No.	5739	Strand	-
Start	10724	End	11547
Name	OJ991022_13.0119.C8.o2.gs	Method	GENSCAN
Start	10724	End	11547
GI	none	Score	.86
Exons	10724..11131, 11335..11547		

Seq. No.	2729	Seq. ID	OJ991022_13.0119.C9
Gene No.	5740	Strand	+
Start	46	End	370
Name	OJ991022_13.0119.C9.o1.np	Method	AAT/NAP
Start	46	End	370
GI	131647	Score	149
Exons	46..370		
GI Descrip.	PHOSPHORIBOSYLFORMYLGLYCINAMIDINE SYNTHASE (FGAM SYNTHASE) (FORMYLGLYCINAMIDE RIBOTIDE AMIDOTRANSFERASE) (FGARAT) gi|68654|pir||SYECPG phosphoribosylformylglycinamidine synthase (EC 6.3.5.3) - Escherichia coli gi|147423 (M19501) formylglycineamide ribonucleotide synthetase (EC 6.3.5.3) [Escherichia coli] gi|1033146 (U36841) phosphoribosylformylglycineamide synthetas		

Seq. No.	2729	Seq. ID	OJ991022_13.0119.C9
Gene No.	5740	Strand	+
Start	46	End	370
Name	OJ991022_13.0119.C9.o1.gs	Method	GENSCAN
Start	58	End	345
GI	none	Score	.68
Exons	58..345		

Seq. No.	2730	Seq. ID	OJ991022_13.0119.C11
Gene No.	5741	Strand	+
Start	1880	End	3065
Name	OJ991022_13.0119.C11.o1.gs	Method	GENSCAN
Start	1880	End	3065
GI	none	Score	.49
Exons	1880..1955, 2356..2446, 2990..3065		

Seq. No.	2730	Seq. ID	OJ991022_13.0119.C11
Gene No.	5742	Strand	-
Start	3778	End	13131
Name	OJ991022_13.0119.C11.o2.gs	Method	GENSCAN
Start	3778	End	12384
GI	none	Score	.52
Exons	3778..3857, 3970..4032, 5204..5303, 6508..6796, 6879..7049, 7128..7942, 8084..8527, 8609..9340, 9797..10219, 10257..10794, 10819..10941, 11297..12384		

Seq. No.	2730	Seq. ID	OJ991022_13.0119.C11
Gene No.	5742	Strand	-
Start	3778	End	13131
Name	OJ991022_13.0119.C11.o1.np	Method	AAT/NAP
Start	5511	End	13131
GI	4680204	Score	120
Exons	5511..5543, 8609..8678, 9774..9934, 10107..10224, 12060..12156, 13079..13131		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	2730	Seq. ID	OJ991022_13.0119.C11
Gene No.	5742	Strand	-
Start	3778	End	13131
Name	OJ991022_13.0119.C11.o5.np	Method	AAT/NAP
Start	8539	End	12390

GI	4680203	Score	1071
Exons	8539..8560, 10961..12390		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	2730	Seq. ID	OJ991022_13.0119.C11
Gene No.	5742	Strand	-
Start	3778	End	13131
Name	OJ991022_13.0119.C11.o2.np	Method	AAT/NAP
Start	9086	End	12390
GI	4680203	Score	1065
Exons	9086..9294, 10963..12390		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	2730	Seq. ID	OJ991022_13.0119.C11
Gene No.	5742	Strand	-
Start	3778	End	13131
Name	OJ991022_13.0119.C11.o1.tw	Method	TBLASTX:Wheat
Start	10224	End	10973
GI	none	Score	74
Exons	10224..10343, 10344..10448, 10345..10452, 10467..10520, 10520..10564, 10521..10571, 10587..10727, 10597..10713, 10725..10925, 10735..10872, 10932..10973		

Seq. No.	2730	Seq. ID	OJ991022_13.0119.C11
Gene No.	5742	Strand	-
Start	3778	End	13131
Name	OJ991022_13.0119.C11.o3.ts	Method	TBLASTX:Soybean
Start	10287	End	10535
GI	none	Score	105
Exons	10287..10535, 10351..10533		

Seq. No.	2730	Seq. ID	OJ991022_13.0119.C11
Gene No.	5742	Strand	-
Start	3778	End	13131
Name	OJ991022_13.0119.C11.o4.np	Method	AAT/NAP
Start	10961	End	11586
GI	6742729	Score	464
Exons	10961..11586		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	2730	Seq. ID	OJ991022_13.0119.C11
Gene No.	5742	Strand	-
Start	3778	End	13131
Name	OJ991022_13.0119.C11.o3.np	Method	AAT/NAP
Start	10969	End	12390
GI	4680203	Score	1067
Exons	10969..12390		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	2730	Seq. ID	OJ991022_13.0119.C11
Gene No.	5742	Strand	-
Start	3778	End	13131
Name	OJ991022_13.0119.C11.o1.tm	Method	TBLASTX:Maize
Start	10978	End	11427
GI	none	Score	73
Exons	10978..11172, 11006..11173, 11179..11421, 11195..11422, 11296..11427		

Seq. No.	2730	Seq. ID	OJ991022_13.0119.C11
Gene No.	5742	Strand	-
Start	3778	End	13131
Name	OJ991022_13.0119.C11.o3.tw	Method	TBLASTX:Wheat
Start	11017	End	11361
GI	none	Score	63
Exons	11017..11172, 11018..11266, 11216..11311, 11218..11313, 11320..11361		

Seq. No.	2730	Seq. ID	OJ991022_13.0119.C11
Gene No.	5742	Strand	-
Start	3778	End	13131
Name	OJ991022_13.0119.C11.o1.tc	Method	TBLASTX:Cress
Start	11266	End	11613
GI	none	Score	98
Exons	11266..11613, 11267..11419, 11459..11608		

Seq. No.	2730	Seq. ID	OJ991022_13.0119.C11
Gene No.	5742	Strand	-
Start	3778	End	13131
Name	OJ991022_13.0119.C11.o2.ts	Method	TBLASTX:Soybean
Start	11347	End	11614
GI	none	Score	132
Exons	11347..11610, 11348..11614		

Seq. No.	2730	Seq. ID	OJ991022_13.0119.C11
Gene No.	5742	Strand	-
Start	3778	End	13131
Name	OJ991022_13.0119.C11.o2.tw	Method	TBLASTX:Wheat
Start	11362	End	12042
GI	none	Score	88
Exons	11362..11487, 11494..11613, 11507..11596, 11629..12042, 11642..11953		

Seq. No.	2730	Seq. ID	OJ991022_13.0119.C11
Gene No.	5742	Strand	-
Start	3778	End	13131
Name	OJ991022_13.0119.C11.o1.ts	Method	TBLASTX:Soybean
Start	11633	End	11970
GI	none	Score	175
Exons	11633..11917, 11635..11916, 11915..11965, 11923..11970		

Seq. No.	2731	Seq. ID	OJ991102_15.0124.C3
Gene No.	5743	Strand	+
Start	252	End	445
Name	OJ991102_15.0124.C3.o1.gs	Method	GENSCAN
Start	252	End	445
GI	none	Score	.63
Exons	252..254, 295..324, 422..445		

Seq. No.	2732	Seq. ID	OJ991102_15.0124.C4
Gene No.	5744	Strand	-
Start	1	End	2361
Name	OJ991102_15.0124.C4.o1.np	Method	AAT/NAP
Start	1	End	2361
GI	2832239	Score	225

Exons	1..46, 274..443, 2296..2361		
GI Descrip.	(AF025526) complement component C3 [Strongylocentrotus purpuratus]		
Seq. No.	2732	Seq. ID	OJ991102_15.0124.C4
Gene No.	5744	Strand	-
Start	1	End	2361
Name	OJ991102_15.0124.C4.o1.gs	Method	GENSCAN
Start	250	End	464
GI	none	Score	.49
Exons	250..464		
Seq. No.	2733	Seq. ID	OJ991102_15.0124.C5
Gene No.	5745	Strand	-
Start	1	End	2984
Name	OJ991102_15.0124.C5.o1.np	Method	AAT/NAP
Start	1	End	2984
GI	2832239	Score	107
Exons	1..20, 1154..1275, 2896..2984		
GI Descrip.	(AF025526) complement component C3 [Strongylocentrotus purpuratus]		
Seq. No.	2733	Seq. ID	OJ991102_15.0124.C5
Gene No.	5745	Strand	-
Start	1	End	2984
Name	OJ991102_15.0124.C5.o1.gs	Method	GENSCAN
Start	709	End	2513
GI	none	Score	.44
Exons	709..743, 1167..1275, 2430..2513		
Seq. No.	2734	Seq. ID	OJ991102_15.0124.C6
Gene No.	5746	Strand	-
Start	430	End	2083
Name	OJ991102_15.0124.C6.o1.np	Method	AAT/NAP
Start	430	End	2083
GI	2832239	Score	288
Exons	430..760, 2063..2083		
GI Descrip.	(AF025526) complement component C3 [Strongylocentrotus purpuratus]		
Seq. No.	2734	Seq. ID	OJ991102_15.0124.C6
Gene No.	5746	Strand	-
Start	430	End	2083
Name	OJ991102_15.0124.C6.o1.gs	Method	GENSCAN
Start	569	End	1750
GI	none	Score	.48
Exons	569..683, 1322..1446, 1640..1750		
Seq. No.	2735	Seq. ID	OJ991102_15.0124.C7
Gene No.	5747	Strand	+
Start	2480	End	3885
Name	OJ991102_15.0124.C7.o1.gs	Method	GENSCAN
Start	2480	End	3885
GI	none	Score	.66
Exons	2480..2590, 2675..2757, 3355..3433, 3769..3885		
Seq. No.	2735	Seq. ID	OJ991102_15.0124.C7

Gene No.	5748	Strand	-
Start	4749	End	6402
Name	OJ991102_15.0124.C7.o1.np	Method	AAT/NAP
Start	4749	End	6402
GI	2832239	Score	62
Exons	4749..4918, 6235..6402		
GI Descrip.	(AF025526) complement component C3 [Strongylocentrotus purpuratus]		

Seq. No.	2735	Seq. ID	OJ991102_15.0124.C7
Gene No.	5748	Strand	-
Start	4749	End	6402
Name	OJ991102_15.0124.C7.o2.gs	Method	GENSCAN
Start	5191	End	6389
GI	none	Score	.58
Exons	5191..5516, 5581..5748, 5843..5989, 6326..6389		

Seq. No.	2736	Seq. ID	OJ991102_15.0124.C9
Gene No.	5749	Strand	+
Start	1	End	662
Name	OJ991102_15.0124.C9.o1.np	Method	AAT/NAP
Start	1	End	578
GI	4512242	Score	996
Exons	1..578		
GI Descrip.	(AB014750) polyprotein [Nicotiana tabacum]		

Seq. No.	2736	Seq. ID	OJ991102_15.0124.C9
Gene No.	5749	Strand	+
Start	1	End	662
Name	OJ991102_15.0124.C9.o2.ts	Method	TBLASTX:Soybean
Start	2	End	143
GI	none	Score	187
Exons	2..142, 3..143		

Seq. No.	2736	Seq. ID	OJ991102_15.0124.C9
Gene No.	5749	Strand	+
Start	1	End	662
Name	OJ991102_15.0124.C9.o2.tw	Method	TBLASTX:Wheat
Start	2	End	158
GI	none	Score	204
Exons	2..142, 3..158, 9..152		

Seq. No.	2736	Seq. ID	OJ991102_15.0124.C9
Gene No.	5749	Strand	+
Start	1	End	662
Name	OJ991102_15.0124.C9.o2.tm	Method	TBLASTX:Maize
Start	3	End	224
GI	none	Score	243
Exons	3..224, 11..223		

Seq. No.	2736	Seq. ID	OJ991102_15.0124.C9
Gene No.	5749	Strand	+
Start	1	End	662
Name	OJ991102_15.0124.C9.o1.tw	Method	TBLASTX:Wheat
Start	159	End	662
GI	none	Score	626
Exons	159..662, 191..580, 207..584		

Seq. No.	2736	Seq. ID	OJ991102_15.0124.C9
Gene No.	5749	Strand	+
Start	1	End	662
Name	OJ991102_15.0124.C9.o1.ts	Method	TBLASTX:Soybean
Start	165	End	410
GI	none	Score	205
Exons	165..410, 182..409		

Seq. No.	2736	Seq. ID	OJ991102_15.0124.C9
Gene No.	5749	Strand	+
Start	1	End	662
Name	OJ991102_15.0124.C9.o1.tm	Method	TBLASTX:Maize
Start	230	End	584
GI	none	Score	478
Exons	230..580, 231..584		

Seq. No.	2737	Seq. ID	OJ991102_15.0124.C10
Gene No.	5750	Strand	-
Start	1	End	380
Name	OJ991102_15.0124.C10.o1.np	Method	AAT/NAP
Start	1	End	380
GI	5852180	Score	324
Exons	1..205, 257..380		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	2738	Seq. ID	OJ991102_15.0124.C12
Gene No.	5751	Strand	+
Start	319	End	359
Name	OJ991102_15.0124.C12.o1.gs	Method	GENSCAN
Start	319	End	359
GI	none	Score	.72
Exons	319..359		

Seq. No.	2739	Seq. ID	OJ991102_15.0124.C14
Gene No.	5752	Strand	+
Start	14	End	342
Name	OJ991102_15.0124.C14.o1.gs	Method	GENSCAN
Start	14	End	342
GI	none	Score	.5
Exons	14..342		

Seq. No.	2740	Seq. ID	OJ991102_15.0124.C15
Gene No.	5753	Strand	-
Start	3674	End	15503
Name	OJ991102_15.0124.C15.o2.gs	Method	GENSCAN
Start	3674	End	14837
GI	none	Score	.88
Exons	3674..3685, 4094..4168, 5249..5380, 8059..8268, 9431..9538, 10199..10441, 13543..13639, 14360..14444, 14813..14837		

Seq. No.	2740	Seq. ID	OJ991102_15.0124.C15
Gene No.	5753	Strand	-
Start	3674	End	15503
Name	OJ991102_15.0124.C15.o1.np	Method	AAT/NAP
Start	4090	End	15503
GI	2832239	Score	886

Exons	4090..4168, 5249..5380, 8059..8268, 10199..10441, 13543..13639, 14360..14463, 15452..15503		
GI Descrip.	(AF025526) complement component C3 [Strongylocentrotus purpuratus]		

Seq. No.	2741	Seq. ID	OJ991102_15.0124.C17
Gene No.	5754	Strand	+
Start	160	End	406
Name	OJ991102_15.0124.C17.o1.gs	Method	GENSCAN
Start	160	End	406
GI	none	Score	.76
Exons	160..406		

Seq. No.	2741	Seq. ID	OJ991102_15.0124.C17
Gene No.	5755	Strand	-
Start	1133	End	2501
Name	OJ991102_15.0124.C17.o2.gs	Method	GENSCAN
Start	1133	End	2302
GI	none	Score	.99
Exons	1133..1312, 2150..2302		

Seq. No.	2741	Seq. ID	OJ991102_15.0124.C17
Gene No.	5755	Strand	-
Start	1133	End	2501
Name	OJ991102_15.0124.C17.o1.np	Method	AAT/NAP
Start	2112	End	2501
GI	2832239	Score	78
Exons	2112..2302, 2476..2501		
GI Descrip.	(AF025526) complement component C3 [Strongylocentrotus purpuratus]		

Seq. No.	2742	Seq. ID	OJ991102_15.0124.C19
Gene No.	5756	Strand	-
Start	1	End	1815
Name	OJ991102_15.0124.C19.o1.np	Method	AAT/NAP
Start	1	End	1815
GI	2832239	Score	225
Exons	1..50, 1615..1815		
GI Descrip.	(AF025526) complement component C3 [Strongylocentrotus purpuratus]		

Seq. No.	2742	Seq. ID	OJ991102_15.0124.C19
Gene No.	5756	Strand	-
Start	1	End	1815
Name	OJ991102_15.0124.C19.o1.gs	Method	GENSCAN
Start	33	End	1815
GI	none	Score	.88
Exons	33..211, 1615..1815		

Seq. No.	2743	Seq. ID	OJ991102_15.0124.C20
Gene No.	5757	Strand	-
Start	1	End	6441
Name	OJ991102_15.0124.C20.o1.np	Method	AAT/NAP
Start	1	End	4069
GI	2832239	Score	271
Exons	1..55, 639..811, 3990..4069		
GI Descrip.	(AF025526) complement component C3 [Strongylocentrotus		

purpuratus]

Seq. No.	2743	Seq. ID	OJ991102_15.0124.C20
Gene No.	5757	Strand	-
Start	1	End	6441
Name	OJ991102_15.0124.C20.o1.gs	Method	GENSCAN
Start	642	End	6441
GI	none	Score	.6
Exons	642..811, 1956..1992, 2721..2795, 6178..6199, 6424..6441		

Seq. No.	2744	Seq. ID	OJ991102_15.0124.C22
Gene No.	5758	Strand	+
Start	84	End	3156
Name	OJ991102_15.0124.C22.o1.gs	Method	GENSCAN
Start	84	End	3156
GI	none	Score	.81
Exons	84..115, 1143..1174, 2308..2384, 2821..3156		

Seq. No.	2745	Seq. ID	OJ991102_15.0124.C23
Gene No.	5759	Strand	+
Start	4919	End	8201
Name	OJ991102_15.0124.C23.o2.gs	Method	GENSCAN
Start	4919	End	8201
GI	none	Score	.56
Exons	4919..4975, 7477..7575, 8009..8057, 8179..8201		

Seq. No.	2745	Seq. ID	OJ991102_15.0124.C23
Gene No.	5760	Strand	+
Start	9867	End	10918
Name	OJ991102_15.0124.C23.o3.gs	Method	GENSCAN
Start	9867	End	10918
GI	none	Score	.43
Exons	9867..9870, 10899..10918		

Seq. No.	2745	Seq. ID	OJ991102_15.0124.C23
Gene No.	5761	Strand	-
Start	45	End	1389
Name	OJ991102_15.0124.C23.o1.gs	Method	GENSCAN
Start	45	End	1389
GI	none	Score	.81
Exons	45..325, 724..948, 960..1029, 1035..1289, 1309..1389		

Seq. No.	2746	Seq. ID	OJ991102_15.0124.C25
Gene No.	5762	Strand	-
Start	2435	End	2613
Name	OJ991102_15.0124.C25.o1.gs	Method	GENSCAN
Start	2435	End	2613
GI	none	Score	.89
Exons	2435..2613		

Seq. No.	2747	Seq. ID	OJ991102_15.0124.C27
Gene No.	5763	Strand	+
Start	269	End	435
Name	OJ991102_15.0124.C27.o1.gs	Method	GENSCAN
Start	269	End	435
GI	none	Score	.99
Exons	269..435		

Seq. No.	2747	Seq. ID	OJ991102_15.0124.C27
Gene No.	5764	Strand	+
Start	3497	End	8134
Name	OJ991102_15.0124.C27.o1.np	Method	AAT/NAP
Start	2740	End	8134
GI	3928787	Score	582
Exons	2740..2780, 3988..4074, 4964..5173, 6466..6548, 7185..7299, 8099..8134		
GI Descrip.	(AF059284) factor B SpBf [Strongylocentrotus purpuratus]		

Seq. No.	2747	Seq. ID	OJ991102_15.0124.C27
Gene No.	5764	Strand	+
Start	3497	End	8134
Name	OJ991102_15.0124.C27.o2.gs	Method	GENSCAN
Start	3497	End	7299
GI	none	Score	.64
Exons	3497..3554, 3877..4074, 4964..5173, 6072..6163, 6240..6288, 6466..6548, 7146..7299		

Seq. No.	2748	Seq. ID	OJ991102_15.0124.C28
Gene No.	5765	Strand	+
Start	1	End	2184
Name	OJ991102_15.0124.C28.o1.np	Method	AAT/NAP
Start	1	End	2184
GI	3928787	Score	299
Exons	1..31, 513..746, 2156..2184		
GI Descrip.	(AF059284) factor B SpBf [Strongylocentrotus purpuratus]		

Seq. No.	2749	Seq. ID	OJ991102_15.0124.C29
Gene No.	5766	Strand	-
Start	663	End	4079
Name	OJ991102_15.0124.C29.o1.np	Method	AAT/NAP
Start	182	End	2260
GI	5597017	Score	466
Exons	182..220, 567..2260		
GI Descrip.	(AF025672) reverse transcriptase [synthetic construct]		

Seq. No.	2749	Seq. ID	OJ991102_15.0124.C29
Gene No.	5766	Strand	-
Start	663	End	4079
Name	OJ991102_15.0124.C29.o1.gs	Method	GENSCAN
Start	663	End	4079
GI	none	Score	.59
Exons	663..902, 1433..1910, 2301..2418, 3381..3512, 3867..4079		

Seq. No.	2750	Seq. ID	OJ991102_15.0124.C30
Gene No.	5767	Strand	+
Start	1148	End	8089
Name	OJ991102_15.0124.C30.o1.gs	Method	GENSCAN
Start	1148	End	7641
GI	none	Score	.78
Exons	1148..1324, 1725..1972, 3836..3853, 4281..4500, 5680..5796, 7429..7641		

Seq. No.	2750	Seq. ID	OJ991102_15.0124.C30
Gene No.	5767	Strand	+

Start	1148	End	8089
Name	OJ991102_15.0124.C30.o1.np	Method	AAT/NAP
Start	1150	End	8089
GI	3928787	Score	1039
Exons	1150..1324, 1725..1972, 4281..4422, 5680..5796, 7429..7641, 8071..8089		
GI Descrip.	(AF059284) factor B SpBf [Strongylocentrotus purpuratus]		

Seq. No.	2751	Seq. ID	OJ991102_15.0124.C31
Gene No.	5768	Strand	+
Start	1	End	2844
Name	OJ991102_15.0124.C31.o1.np	Method	AAT/NAP
Start	1	End	2844
GI	3928787	Score	124
Exons	1..92, 2723..2844		
GI Descrip.	(AF059284) factor B SpBf [Strongylocentrotus purpuratus]		

Seq. No.	2751	Seq. ID	OJ991102_15.0124.C31
Gene No.	5769	Strand	-
Start	133	End	3766
Name	OJ991102_15.0124.C31.o1.gs	Method	GENSCAN
Start	133	End	3766
GI	none	Score	.58
Exons	133..211, 664..737, 1271..1371, 1518..1598, 2728..2820, 3757..3766		

Seq. No.	2752	Seq. ID	OJ991102_15.0124.C33
Gene No.	5770	Strand	-
Start	1	End	3182
Name	OJ991102_15.0124.C33.o1.np	Method	AAT/NAP
Start	1	End	3182
GI	2832239	Score	59
Exons	1..62, 2271..2326, 2817..2890, 2989..3182		
GI Descrip.	(AF025526) complement component C3 [Strongylocentrotus purpuratus]		

Seq. No.	2752	Seq. ID	OJ991102_15.0124.C33
Gene No.	5770	Strand	-
Start	1	End	3182
Name	OJ991102_15.0124.C33.o1.gs	Method	GENSCAN
Start	2276	End	2862
GI	none	Score	.65
Exons	2276..2326, 2817..2862		

Seq. No.	2753	Seq. ID	OJ991102_15.0124.C34
Gene No.	5771	Strand	+
Start	614	End	784
Name	OJ991102_15.0124.C34.o1.gs	Method	GENSCAN
Start	614	End	784
GI	none	Score	.51
Exons	614..784		

Seq. No.	2754	Seq. ID	OJ991102_15.0124.C36
Gene No.	5772	Strand	-
Start	1463	End	5751
Name	OJ991102_15.0124.C36.o2.gs	Method	GENSCAN
Start	1463	End	5751

GI	none	Score	.66
Exons	1463..1765, 2087..2257, 2475..2549, 4636..4768, 5711..5751		

Seq. No.	2754	Seq. ID	OJ991102_15.0124.C36
Gene No.	5773	Strand	-
Start	6287	End	9015
Name	OJ991102_15.0124.C36.o1.np	Method	AAT/NAP
Start	6255	End	9015
GI	4378025	Score	882
Exons	6255..7719, 8967..9015		
GI Descrip.	(AF086712) reverse transcriptase-like protein [Fugu rubripes]		

Seq. No.	2754	Seq. ID	OJ991102_15.0124.C36
Gene No.	5773	Strand	-
Start	6287	End	9015
Name	OJ991102_15.0124.C36.o3.gs	Method	GENSCAN
Start	6287	End	8674
GI	none	Score	.8
Exons	6287..7498, 8477..8674		

Seq. No.	2755	Seq. ID	OJ991102_15.0124.C37
Gene No.	5774	Strand	-
Start	1	End	693
Name	OJ991102_15.0124.C37.o1.np	Method	AAT/NAP
Start	1	End	693
GI	2636683	Score	284
Exons	1..693		
GI Descrip.	(U66333) pol [Schistosoma mansoni]		

Seq. No.	2756	Seq. ID	OJ991102_15.0124.C38
Gene No.	5775	Strand	-
Start	119	End	1031
Name	OJ991102_15.0124.C38.o1.gs	Method	GENSCAN
Start	119	End	1031
GI	none	Score	.43
Exons	119..651, 720..1031		

Seq. No.	2757	Seq. ID	OJ991112_14.0128.C1
Gene No.	5776	Strand	+
Start	578	End	2577
Name	OJ991112_14.0128.C1.o1.np	Method	AAT/NAP
Start	578	End	2348
GI	5922620	Score	169
Exons	578..628, 1726..1752, 2167..2348		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2757	Seq. ID	OJ991112_14.0128.C1
Gene No.	5776	Strand	+
Start	578	End	2577
Name	OJ991112_14.0128.C1.o1.gp	Method	AAT/GAP
Start	2146	End	2577
GI	LIB3479-006-Q6-K1-B11	Score	566
Exons	2146..2577		

GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		
Seq. No.	2757	Seq. ID	OJ991112_14.0128.C1
Gene No.	5777	Strand	+
Start	2623	End	5646
Name	OJ991112_14.0128.C1.o2.gs	Method	GENSCAN
Start	2623	End	5646
GI	none	Score	.64
Exons	2623..2799, 3538..3771, 3773..3978, 4250..4364, 4694..4863, 4917..5054, 5532..5646		

Seq. No.	2757	Seq. ID	OJ991112_14.0128.C1
Gene No.	5777	Strand	+
Start	2623	End	5646
Name	OJ991112_14.0128.C1.o2.np	Method	AAT/NAP
Start	2623	End	5643
GI	5922620	Score	561
Exons	2623..2820, 3734..3808, 3893..4138, 4614..4675, 5462..5643		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2757	Seq. ID	OJ991112_14.0128.C1
Gene No.	5778	Strand	-
Start	148	End	2254
Name	OJ991112_14.0128.C1.o1.gs	Method	GENSCAN
Start	148	End	2254
GI	none	Score	.59
Exons	148..215, 383..601, 667..849, 1045..1192, 1547..1768, 2216..2254		

Seq. No.	2757	Seq. ID	OJ991112_14.0128.C1
Gene No.	5779	Strand	-
Start	6826	End	7108
Name	OJ991112_14.0128.C1.o3.np	Method	AAT/NAP
Start	6826	End	7108
GI	6539588	Score	224
Exons	6826..7108		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	2757	Seq. ID	OJ991112_14.0128.C1
Gene No.	5780	Strand	-
Start	11119	End	13192
Name	OJ991112_14.0128.C1.o4.np	Method	AAT/NAP
Start	11119	End	13192
GI	6553884	Score	192
Exons	11119..11253, 11386..11616, 13134..13192		
GI Descrip.	(AC012563) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2757	Seq. ID	OJ991112_14.0128.C1
Gene No.	5780	Strand	-
Start	11119	End	13192
Name	OJ991112_14.0128.C1.o2.tm	Method	TBLASTX:Maize
Start	11395	End	11620
GI	none	Score	101

Exons	11395..11484, 11397..11480, 11399..11482, 11503..11541, 11503..11541, 11527..11592, 11535..11570, 11543..11620		
Seq. No.	2757	Seq. ID	OJ991112_14.0128.C1
Gene No.	5780	Strand	-
Start	11119	End	13192
Name	OJ991112_14.0128.C1.o4.gs	Method	GENSCAN
Start	12449	End	13074
GI	none	Score	.51
Exons	12449..13074		
Seq. No.	2757	Seq. ID	OJ991112_14.0128.C1
Gene No.	5780	Strand	-
Start	11119	End	13192
Name	OJ991112_14.0128.C1.o1.tm	Method	TBLASTX:Maize
Start	12518	End	12880
GI	none	Score	137
Exons	12518..12661, 12538..12615, 12724..12789, 12725..12880		
Seq. No.	2757	Seq. ID	OJ991112_14.0128.C1
Gene No.	5780	Strand	-
Start	11119	End	13192
Name	OJ991112_14.0128.C1.o1.ts	Method	TBLASTX:Soybean
Start	12848	End	13051
GI	none	Score	48
Exons	12848..12886, 12902..12979, 12902..12964, 12904..12984, 12964..13050, 12965..13051		
Seq. No.	2758	Seq. ID	OJ991112_14.0128.C2
Gene No.	5781	Strand	+
Start	1706	End	2247
Name	OJ991112_14.0128.C2.o1.gs	Method	GENSCAN
Start	1706	End	2247
GI	none	Score	.65
Exons	1706..1750, 1780..1923, 2170..2247		
Seq. No.	2758	Seq. ID	OJ991112_14.0128.C2
Gene No.	5782	Strand	-
Start	2954	End	9911
Name	OJ991112_14.0128.C2.o1.gp	Method	AAT/GAP
Start	2592	End	3249
GI	42051_1.R1084	Score	1244
Exons	2592..3249		
GI Descrip.	'4522009/gb|AAD21782.1| 3.0e-14 (AC007069) unknown protein [Arabidopsis thaliana]'		
Seq. No.	2758	Seq. ID	OJ991112_14.0128.C2
Gene No.	5782	Strand	-
Start	2954	End	9911
Name	OJ991112_14.0128.C2.o2.gs	Method	GENSCAN
Start	2954	End	9911
GI	none	Score	.84
Exons	2954..3355, 3613..3738, 4157..4308, 4395..4554, 4618..4788, 4874..5089, 5501..5758, 6509..6712, 7934..7962, 8025..8164, 8210..8385, 9873..9911		
Seq. No.	2758	Seq. ID	OJ991112_14.0128.C2

Gene No.	5782	Strand	-
Start	2954	End	9911
Name	OJ991112_14.0128.C2.o1.np	Method	AAT/NAP
Start	3012	End	9022
GI	4522009	Score	1290
Exons	3012..3355, 3450..3524, 3613..3686, 3940..4027, 4157..4308, 4395..4554, 4633..4788, 4874..5089, 5501..5746, 6488..6712, 8025..8057, 8978..9022		
GI Descrip.	(AC007069) unknown protein [Arabidopsis thaliana]		

Seq. No.	2758	Seq. ID	OJ991112_14.0128.C2
Gene No.	5782	Strand	-
Start	2954	End	9911
Name	OJ991112_14.0128.C2.o2.gp	Method	AAT/GAP
Start	4629	End	5600
GI	701122	Score	809
Exons	4629..4788, 4874..5089, 5501..5600		
GI Descrip.	4522009/gb|AAD21782.1| 6.0e-28 (AC007069) unknown protein [Arabidopsis thaliana]		

Seq. No.	2758	Seq. ID	OJ991112_14.0128.C2
Gene No.	5782	Strand	-
Start	2954	End	9911
Name	OJ991112_14.0128.C2.o3.gp	Method	AAT/GAP
Start	6611	End	8408
GI	none	Score	870
Exons	6611..6712, 8025..8408		

Seq. No.	2758	Seq. ID	OJ991112_14.0128.C2
Gene No.	5783	Strand	-
Start	15177	End	17370
Name	OJ991112_14.0128.C2.o3.gs	Method	GENSCAN
Start	15177	End	17370
GI	none	Score	.83
Exons	15177..15295, 15444..15504, 15591..15717, 16398..16468, 16701..16799, 16900..17017, 17104..17180, 17275..17370		

Seq. No.	2758	Seq. ID	OJ991112_14.0128.C2
Gene No.	5783	Strand	-
Start	15177	End	17370
Name	OJ991112_14.0128.C2.o4.gp	Method	AAT/GAP
Start	15918	End	16419
GI	none	Score	975
Exons	15918..16419		

Seq. No.	2758	Seq. ID	OJ991112_14.0128.C2
Gene No.	5784	Strand	-
Start	18031	End	18774
Name	OJ991112_14.0128.C2.o1.tm	Method	TBLASTX:Maize
Start	3005	End	4499
GI	none	Score	63
Exons	3005..3049, 3006..3053, 3010..3057, 3053..3097, 3055..3099, 3055..3099, 3101..3310, 3101..3310, 3300..3347, 3415..3513, 3449..3520, 3450..3521, 3610..3684, 3615..3683, 3615..3689, 3941..4030, 3942..4028, 4157..4309, 4157..4312, 4385..4468, 4387..4467, 4395..4499, 4410..4499		

Seq. No.	2758	Seq. ID	OJ991112_14.0128.C2
Gene No.	5784	Strand	-
Start	18031	End	18774
Name	OJ991112_14.0128.C2.o2.ts	Method	TBLASTX:Soybean
Start	3021	End	3530
GI	none	Score	70
Exons	3021..3053, 3059..3205, 3268..3354, 3462..3530		

Seq. No.	2758	Seq. ID	OJ991112_14.0128.C2
Gene No.	5784	Strand	-
Start	18031	End	18774
Name	OJ991112_14.0128.C2.o1.tc	Method	TBLASTX:Cress
Start	3610	End	4546
GI	none	Score	66
Exons	3610..3684, 3611..3685, 3941..4027, 3962..4027, 4160..4309, 4160..4312, 4161..4313, 4339..4545, 4385..4522, 4394..4546		

Seq. No.	2758	Seq. ID	OJ991112_14.0128.C2
Gene No.	5784	Strand	-
Start	18031	End	18774
Name	OJ991112_14.0128.C2.o1.ts	Method	TBLASTX:Soybean
Start	4154	End	5674
GI	none	Score	57
Exons	4154..4294, 4154..4312, 4385..4522, 4393..4557, 4624..4791, 4871..5092, 4881..5072, 5501..5587, 5570..5674		

Seq. No.	2758	Seq. ID	OJ991112_14.0128.C2
Gene No.	5784	Strand	-
Start	18031	End	18774
Name	OJ991112_14.0128.C2.o3.tm	Method	TBLASTX:Maize
Start	4624	End	5734
GI	none	Score	103
Exons	4624..4791, 4871..5092, 4896..5075, 5618..5734		

Seq. No.	2758	Seq. ID	OJ991112_14.0128.C2
Gene No.	5784	Strand	-
Start	18031	End	18774
Name	OJ991112_14.0128.C2.o2.tc	Method	TBLASTX:Cress
Start	4684	End	5092
GI	none	Score	51
Exons	4684..4791, 4705..4797, 4871..5092, 4872..5075		

Seq. No.	2758	Seq. ID	OJ991112_14.0128.C2
Gene No.	5784	Strand	-
Start	18031	End	18774
Name	OJ991112_14.0128.C2.o2.tm	Method	TBLASTX:Maize
Start	6485	End	8217
GI	none	Score	263
Exons	6485..6712, 6511..6714, 6518..6709, 6568..6717, 8025..8123, 8025..8114, 8047..8124, 8087..8122, 8197..8217		

Seq. No.	2758	Seq. ID	OJ991112_14.0128.C2
Gene No.	5784	Strand	-
Start	18031	End	18774
Name	OJ991112_14.0128.C2.o3.ts	Method	TBLASTX:Soybean
Start	6527	End	6709
GI	none	Score	65

Exons	6527..6709, 6554..6709		
Seq. No.	2758	Seq. ID	OJ991112_14.0128.C2
Gene No.	5784	Strand	-
Start	18031	End	18774
Name	OJ991112_14.0128.C2.o5.gp	Method	AAT/GAP
Start	17970	End	18351
GI	3763219	Score	735
Exons	17970..18351		
Seq. No.	2758	Seq. ID	OJ991112_14.0128.C2
Gene No.	5784	Strand	-
Start	18031	End	18774
Name	OJ991112_14.0128.C2.o4.gs	Method	GENSCAN
Start	18031	End	18774
GI	none	Score	.54
Exons	18031..18599, 18619..18774		
Seq. No.	2759	Seq. ID	OJ991112_14.0128.C4
Gene No.	5785	Strand	+
Start	1	End	3804
Name	OJ991112_14.0128.C4.o1.np	Method	AAT/NAP
Start	1	End	3804
GI	5777623	Score	1310
Exons	1..156, 407..560, 739..1247, 1977..2257, 3763..3804		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		
Seq. No.	2759	Seq. ID	OJ991112_14.0128.C4
Gene No.	5786	Strand	-
Start	1389	End	4606
Name	OJ991112_14.0128.C4.o3.np	Method	AAT/NAP
Start	1389	End	4606
GI	2129478	Score	76
Exons	1389..1427, 2296..2386, 3386..3474, 3544..3788, 4462..4606		
GI Descrip.	chitinase (EC 3.2.1.14) precursor - beet gi|488731|emb|CAA55883| (X79301) chitinase [Beta vulgaris] gi|829258|emb|CAA56946| (X81056) Chitinase [Beta vulgaris]		
Seq. No.	2759	Seq. ID	OJ991112_14.0128.C4
Gene No.	5786	Strand	-
Start	1389	End	4606
Name	OJ991112_14.0128.C4.o2.gs	Method	GENSCAN
Start	3305	End	3769
GI	none	Score	.89
Exons	3305..3769		
Seq. No.	2760	Seq. ID	OJ991112_14.0128.C6
Gene No.	5787	Strand	+
Start	4025	End	4854
Name	OJ991112_14.0128.C6.o1.gs	Method	GENSCAN
Start	4025	End	4854
GI	none	Score	.46
Exons	4025..4262, 4522..4583, 4762..4854		
Seq. No.	2760	Seq. ID	OJ991112_14.0128.C6
Gene No.	5788	Strand	+
Start	6014	End	6640

Name	OJ991112_14.0128.C6.o2.gs	Method	GENSCAN
Start	6014	End	6640
GI	none	Score	.88
Exons	6014..6640		

Seq. No.	2760	Seq. ID	OJ991112_14.0128.C6
Gene No.	5789	Strand	+
Start	8029	End	16863
Name	OJ991112_14.0128.C6.o3.gs	Method	GENSCAN
Start	8029	End	14655
GI	none	Score	.72
Exons	8029..8559, 8565..8703, 8938..8997, 9255..9556, 10424..10558, 10641..10714, 11068..11107, 11693..11868, 11956..12081, 12464..12538, 13242..13367, 13922..13991, 14599..14655		

Seq. No.	2760	Seq. ID	OJ991112_14.0128.C6
Gene No.	5789	Strand	+
Start	8029	End	16863
Name	OJ991112_14.0128.C6.o3.np	Method	AAT/NAP
Start	9314	End	16863
GI	3834317	Score	1484
Exons	9314..9556, 10424..10558, 10641..10714, 11068..11107, 11286..11331, 11679..11868, 11956..12081, 12464..12538, 13242..13367, 13922..13991, 14369..14451, 15324..15437, 15992..16091, 16733..16863		
GI Descrip.	(AC005679) Similar to CDC16 protein gb|U18291 (CDC16Hs) from Homo sapiens. [Arabidopsis thaliana]		

Seq. No.	2760	Seq. ID	OJ991112_14.0128.C6
Gene No.	5790	Strand	-
Start	1	End	13333
Name	OJ991112_14.0128.C6.o1.np	Method	AAT/NAP
Start	1	End	1711
GI	6466937	Score	1240
Exons	1..1711		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	2760	Seq. ID	OJ991112_14.0128.C6
Gene No.	5790	Strand	-
Start	1	End	13333
Name	OJ991112_14.0128.C6.o2.np	Method	AAT/NAP
Start	1	End	13333
GI	5042454	Score	297
Exons	1..295, 4042..4473, 8462..8636, 13251..13333		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	2760	Seq. ID	OJ991112_14.0128.C6
Gene No.	5791	Strand	-
Start	15617	End	16159
Name	OJ991112_14.0128.C6.o4.tm	Method	TBLASTX:Maize
Start	285	End	653
GI	none	Score	88
Exons	285..653, 484..651		

Seq. No.	2760	Seq. ID	OJ991112_14.0128.C6
Gene No.	5791	Strand	-

Start	15617	End	16159
Name	OJ991112_14.0128.C6.o4.ts	Method	TBLASTX:Soybean
Start	651	End	893
GI	none	Score	183
Exons	651..893		

Seq. No.	2760	Seq. ID	OJ991112_14.0128.C6
Gene No.	5791	Strand	-
Start	15617	End	16159
Name	OJ991112_14.0128.C6.o2.tm	Method	TBLASTX:Maize
Start	654	End	1178
GI	none	Score	91
Exons	654..944, 670..915, 927..1178, 928..1170		

Seq. No.	2760	Seq. ID	OJ991112_14.0128.C6
Gene No.	5791	Strand	-
Start	15617	End	16159
Name	OJ991112_14.0128.C6.o1.ts	Method	TBLASTX:Soybean
Start	927	End	1268
GI	none	Score	116
Exons	927..1268, 928..1266		

Seq. No.	2760	Seq. ID	OJ991112_14.0128.C6
Gene No.	5791	Strand	-
Start	15617	End	16159
Name	OJ991112_14.0128.C6.o2.tw	Method	TBLASTX:Wheat
Start	927	End	1202
GI	none	Score	73
Exons	927..1202, 979..1170		

Seq. No.	2760	Seq. ID	OJ991112_14.0128.C6
Gene No.	5791	Strand	-
Start	15617	End	16159
Name	OJ991112_14.0128.C6.o1.tm	Method	TBLASTX:Maize
Start	1197	End	1676
GI	none	Score	171
Exons	1197..1676, 1200..1583, 1204..1599		

Seq. No.	2760	Seq. ID	OJ991112_14.0128.C6
Gene No.	5791	Strand	-
Start	15617	End	16159
Name	OJ991112_14.0128.C6.o1.tw	Method	TBLASTX:Wheat
Start	1251	End	1697
GI	none	Score	190
Exons	1251..1697, 1255..1629		

Seq. No.	2760	Seq. ID	OJ991112_14.0128.C6
Gene No.	5791	Strand	-
Start	15617	End	16159
Name	OJ991112_14.0128.C6.o3.ts	Method	TBLASTX:Soybean
Start	1383	End	1697
GI	none	Score	220
Exons	1383..1697		

Seq. No.	2760	Seq. ID	OJ991112_14.0128.C6
Gene No.	5791	Strand	-
Start	15617	End	16159

Name	OJ991112_14.0128.C6.o6.tm	Method	TBLASTX:Maize
Start	6206	End	8433
GI	none	Score	97
Exons	6206..6304, 6422..6466, 8176..8268, 8178..8267, 8368..8433, 8377..8430		

Seq. No.	2760	Seq. ID	OJ991112_14.0128.C6
Gene No.	5791	Strand	-
Start	15617	End	16159
Name	OJ991112_14.0128.C6.o2.ts	Method	TBLASTX:Soybean
Start	9338	End	9511
GI	none	Score	229
Exons	9338..9511, 9356..9445, 9367..9492		

Seq. No.	2760	Seq. ID	OJ991112_14.0128.C6
Gene No.	5791	Strand	-
Start	15617	End	16159
Name	OJ991112_14.0128.C6.o5.tm	Method	TBLASTX:Maize
Start	9338	End	10504
GI	none	Score	258
Exons	9338..9556, 9356..9445, 9367..9555, 10372..10473, 10418..10501, 10425..10502, 10427..10504		

Seq. No.	2760	Seq. ID	OJ991112_14.0128.C6
Gene No.	5791	Strand	-
Start	15617	End	16159
Name	OJ991112_14.0128.C6.o3.tm	Method	TBLASTX:Maize
Start	11488	End	15387
GI	none	Score	98
Exons	11488..11583, 11490..11573, 11504..11584, 11504..11584, 11670..11876, 11692..11880, 11693..11863, 11956..12081, 11957..12082, 11957..12085, 12445..12543, 12462..12539, 12463..12543, 12464..12544, 13237..13332, 13239..13310, 13241..13366, 13243..13380, 13891..13989, 13920..13991, 13922..13999, 13923..14000, 14365..14454, 14366..14452, 14366..14455, 15316..15387, 15316..15387		

Seq. No.	2760	Seq. ID	OJ991112_14.0128.C6
Gene No.	5791	Strand	-
Start	15617	End	16159
Name	OJ991112_14.0128.C6.o4.gs	Method	GENSCAN
Start	15617	End	16159
GI	none	Score	.56
Exons	15617..15664, 16083..16159		

Seq. No.	2761	Seq. ID	OJ991112_14.0128.C7
Gene No.	5792	Strand	+
Start	898	End	2010
Name	OJ991112_14.0128.C7.o1.gs	Method	GENSCAN
Start	898	End	2010
GI	none	Score	.45
Exons	898..912, 1987..2010		

Seq. No.	2761	Seq. ID	OJ991112_14.0128.C7
Gene No.	5793	Strand	+
Start	3099	End	10518
Name	OJ991112_14.0128.C7.o1.gp	Method	AAT/GAP

Start	3020	End	4019
GI	42904_1.R1084	Score	898
Exons	3020..3259, 3675..3715, 3800..4019		
GI Descrip.	'4406780/gb|AAD20090| 2.0e-45 (AC006532) putative multispanning membrane protein [Arabidopsis thaliana]'		

Seq. No.	2761	Seq. ID	OJ991112_14.0128.C7
Gene No.	5793	Strand	+
Start	3099	End	10518
Name	OJ991112_14.0128.C7.o2.gs	Method	GENSCAN
Start	3099	End	10518
GI	none	Score	.72
Exons	3099..3259, 3675..3715, 3800..4385, 4951..5088, 5581..5976, 6511..6722, 8233..8575, 9659..9902, 10029..10217, 10294..10518		

Seq. No.	2761	Seq. ID	OJ991112_14.0128.C7
Gene No.	5793	Strand	+
Start	3099	End	10518
Name	OJ991112_14.0128.C7.o1.np	Method	AAT/NAP
Start	3114	End	6727
GI	4406780	Score	2455
Exons	3114..3259, 3675..3715, 3800..4385, 4951..5088, 5216..5372, 5492..5976, 6511..6727		
GI Descrip.	(AC006532) putative endosomal protein [Arabidopsis thaliana]		

Seq. No.	2761	Seq. ID	OJ991112_14.0128.C7
Gene No.	5793	Strand	+
Start	3099	End	10518
Name	OJ991112_14.0128.C7.o2.gp	Method	AAT/GAP
Start	4345	End	7170
GI	5555_1.R1084	Score	2721
Exons	4345..4385, 4951..5088, 5216..5372, 5492..5976, 6511..7170		
GI Descrip.	'4406780/gb|AAD20090| 1.0e-140 (AC006532) putative multispanning membrane protein [Arabidopsis thaliana]'		

Seq. No.	2761	Seq. ID	OJ991112_14.0128.C7
Gene No.	5793	Strand	+
Start	3099	End	10518
Name	OJ991112_14.0128.C7.o3.gp	Method	AAT/GAP
Start	8205	End	10440
GI	17779_1.R1084	Score	1705
Exons	8205..8575, 9659..9902, 10029..10208, 10294..10440		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	2761	Seq. ID	OJ991112_14.0128.C7
Gene No.	5793	Strand	+
Start	3099	End	10518
Name	OJ991112_14.0128.C7.o2.np	Method	AAT/NAP
Start	8268	End	10515
GI	6478216	Score	862
Exons	8268..8575, 9659..9902, 10029..10208, 10294..10515		
GI Descrip.	(AF108438) putative NADPH-dependent oxidoreductase [Papaver somniferum]		

Seq. No.	2761	Seq. ID	OJ991112_14.0128.C7
Gene No.	5794	Strand	+

Start	21225	End	30804
Name	OJ991112_14.0128.C7.o5.gs	Method	GENSCAN
Start	21225	End	30804
GI	none	Score	.43
Exons	21225..21324, 22409..22448, 22699..22961, 24288..24519, 25356..25474, 26177..26321, 29420..29546, 30706..30804		

Seq. No.	2761	Seq. ID	OJ991112_14.0128.C7
Gene No.	5794	Strand	+
Start	21225	End	30804
Name	OJ991112_14.0128.C7.o4.np	Method	AAT/NAP
Start	26118	End	27742
GI	6539588	Score	193
Exons	26118..26395, 27653..27742		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	2761	Seq. ID	OJ991112_14.0128.C7
Gene No.	5795	Strand	-
Start	11054	End	20915
Name	OJ991112_14.0128.C7.o3.gs	Method	GENSCAN
Start	11054	End	15105
GI	none	Score	.71
Exons	11054..11146, 11276..11367, 11411..11716, 12195..12311, 12418..12473, 14401..14455, 14537..14689, 14924..14980, 15015..15105		

Seq. No.	2761	Seq. ID	OJ991112_14.0128.C7
Gene No.	5795	Strand	-
Start	11054	End	20915
Name	OJ991112_14.0128.C7.o3.np	Method	AAT/NAP
Start	11908	End	20289
GI	4406777	Score	663
Exons	11908..11926, 16774..16912, 17064..17121, 19589..19826, 19893..20057, 20139..20289		
GI Descrip.	(AC006532) putative C2H2-type zinc finger protein [Arabidopsis thaliana]		

Seq. No.	2761	Seq. ID	OJ991112_14.0128.C7
Gene No.	5795	Strand	-
Start	11054	End	20915
Name	OJ991112_14.0128.C7.o4.gs	Method	GENSCAN
Start	16452	End	20915
GI	none	Score	.57
Exons	16452..17121, 17502..17641, 19507..20057, 20139..20244, 20910..20915		

Seq. No.	2761	Seq. ID	OJ991112_14.0128.C7
Gene No.	5796	Strand	-
Start	38486	End	40146
Name	OJ991112_14.0128.C7.o1.tm	Method	TBLASTX:Maize
Start	3168	End	5100
GI	none	Score	143
Exons	3168..3257, 3672..3713, 3673..3714, 3798..4388, 3799..4386, 3946..4389, 4948..5085, 4948..5100, 4991..5089		

Seq. No.	2761	Seq. ID	OJ991112_14.0128.C7
Gene No.	5796	Strand	-

Start	38486	End	40146
Name	OJ991112_14.0128.C7.o4.ts	Method	TBLASTX:Soybean
Start	3171	End	4095
GI	none	Score	122
Exons	3171..3257, 3672..3722, 3673..3717, 3793..4095, 3804..4094		

Seq. No.	2761	Seq. ID	OJ991112_14.0128.C7
Gene No.	5796	Strand	-
Start	38486	End	40146
Name	OJ991112_14.0128.C7.o1.tc	Method	TBLASTX:Cress
Start	3793	End	5662
GI	none	Score	811
Exons	3793..4386, 3804..4388, 4006..4392, 4164..4388, 4948..5040, 4952..5083, 4991..5089, 4993..5100, 5153..5203, 5216..5374, 5217..5375, 5486..5662, 5491..5661		

Seq. No.	2761	Seq. ID	OJ991112_14.0128.C7
Gene No.	5796	Strand	-
Start	38486	End	40146
Name	OJ991112_14.0128.C7.o1.ts	Method	TBLASTX:Soybean
Start	4098	End	6743
GI	none	Score	404
Exons	4098..4388, 4099..4386, 4099..4392, 4948..5052, 4952..5077, 4991..5089, 4993..5100, 5216..5374, 5216..5374, 5217..5375, 5483..5860, 5491..5940, 5661..5978, 5927..5977, 6502..6729, 6505..6729, 6506..6730, 6509..6730, 6510..6743		

Seq. No.	2761	Seq. ID	OJ991112_14.0128.C7
Gene No.	5796	Strand	-
Start	38486	End	40146
Name	OJ991112_14.0128.C7.o2.tm	Method	TBLASTX:Maize
Start	5216	End	6626
GI	none	Score	264
Exons	5216..5374, 5217..5375, 5483..5860, 5491..5940, 5909..5977, 5927..5977, 5929..5979, 6502..6609, 6505..6624, 6506..6625, 6509..6625, 6510..6626		

Seq. No.	2761	Seq. ID	OJ991112_14.0128.C7
Gene No.	5796	Strand	-
Start	38486	End	40146
Name	OJ991112_14.0128.C7.o3.tw	Method	TBLASTX:Wheat
Start	5512	End	5833
GI	none	Score	58
Exons	5512..5757, 5542..5817, 5555..5833		

Seq. No.	2761	Seq. ID	OJ991112_14.0128.C7
Gene No.	5796	Strand	-
Start	38486	End	40146
Name	OJ991112_14.0128.C7.o4.tc	Method	TBLASTX:Cress
Start	6575	End	6730
GI	none	Score	254
Exons	6575..6730, 6577..6729		

Seq. No.	2761	Seq. ID	OJ991112_14.0128.C7
Gene No.	5796	Strand	-
Start	38486	End	40146
Name	OJ991112_14.0128.C7.o7.tm	Method	TBLASTX:Maize

Start	6628	End	7039
GI	none	Score	178
Exons	6628..6729, 6629..6730, 6632..6805, 6721..6819, 6751..6780, 6791..6820, 6792..6818, 6801..6860, 6812..6862, 6813..6860, 6847..6909, 6861..6926, 6862..6927, 6909..6932, 6992..7039		

Seq. No.	2761	Seq. ID	OJ991112_14.0128.C7
Gene No.	5796	Strand	-
Start	38486	End	40146
Name	OJ991112_14.0128.C7.o3.tc	Method	TBLASTX:Cress
Start	8346	End	10175
GI	none	Score	228
Exons	8346..8570, 8372..8563, 9651..9695, 9684..9755, 9788..9904, 9789..9905, 10026..10175		

Seq. No.	2761	Seq. ID	OJ991112_14.0128.C7
Gene No.	5796	Strand	-
Start	38486	End	40146
Name	OJ991112_14.0128.C7.o3.ts	Method	TBLASTX:Soybean
Start	8346	End	10518
GI	none	Score	208
Exons	8346..8573, 8381..8581, 9650..9706, 9657..9716, 9737..9904, 9738..9920, 10026..10208, 10285..10518, 10291..10419, 10293..10511		

Seq. No.	2761	Seq. ID	OJ991112_14.0128.C7
Gene No.	5796	Strand	-
Start	38486	End	40146
Name	OJ991112_14.0128.C7.o3.tm	Method	TBLASTX:Maize
Start	8366	End	10538
GI	none	Score	257
Exons	8366..8572, 8367..8573, 9650..9904, 9660..9914, 10026..10208, 10028..10204, 10091..10234, 10290..10538, 10291..10518		

Seq. No.	2761	Seq. ID	OJ991112_14.0128.C7
Gene No.	5796	Strand	-
Start	38486	End	40146
Name	OJ991112_14.0128.C7.o2.tc	Method	TBLASTX:Cress
Start	19588	End	20058
GI	none	Score	70
Exons	19588..19698, 19592..19699, 19715..19813, 19741..19821, 19906..19947, 19948..19980, 19975..20058		

Seq. No.	2761	Seq. ID	OJ991112_14.0128.C7
Gene No.	5796	Strand	-
Start	38486	End	40146
Name	OJ991112_14.0128.C7.o6.ts	Method	TBLASTX:Soybean
Start	19588	End	19935
GI	none	Score	109
Exons	19588..19671, 19592..19672, 19675..19821, 19676..19819, 19906..19935		

Seq. No.	2761	Seq. ID	OJ991112_14.0128.C7
Gene No.	5796	Strand	-
Start	38486	End	40146
Name	OJ991112_14.0128.C7.o6.tm	Method	TBLASTX:Maize
Start	19588	End	20058

GI	none	Score	76
Exons	19588..19704, 19592..19714, 19712..19744, 19715..19822, 19741..19821, 19906..20058, 19915..19995		
Seq. No.	2761	Seq. ID	OJ991112_14.0128.C7
Gene No.	5796	Strand	-
Start	38486	End	40146
Name	OJ991112_14.0128.C7.o7.ts	Method	TBLASTX:Soybean
Start	19945	End	20169
GI	none	Score	87
Exons	19945..20058, 19970..20032, 20140..20169		
Seq. No.	2761	Seq. ID	OJ991112_14.0128.C7
Gene No.	5796	Strand	-
Start	38486	End	40146
Name	OJ991112_14.0128.C7.o5.ts	Method	TBLASTX:Soybean
Start	38474	End	39132
GI	none	Score	53
Exons	38474..38731, 38550..38696, 38743..39132, 38786..39025		
Seq. No.	2761	Seq. ID	OJ991112_14.0128.C7
Gene No.	5796	Strand	-
Start	38486	End	40146
Name	OJ991112_14.0128.C7.o5.np	Method	AAT/NAP
Start	38486	End	40146
GI	6630685	Score	1561
Exons	38486..40146		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		
Seq. No.	2761	Seq. ID	OJ991112_14.0128.C7
Gene No.	5796	Strand	-
Start	38486	End	40146
Name	OJ991112_14.0128.C7.o4.tm	Method	TBLASTX:Maize
Start	38504	End	39150
GI	none	Score	110
Exons	38504..38737, 38519..38716, 38535..38729, 38737..39150, 38738..39025, 39089..39142		
Seq. No.	2761	Seq. ID	OJ991112_14.0128.C7
Gene No.	5796	Strand	-
Start	38486	End	40146
Name	OJ991112_14.0128.C7.o2.tw	Method	TBLASTX:Wheat
Start	38896	End	39327
GI	none	Score	101
Exons	38896..39153, 39178..39327		
Seq. No.	2761	Seq. ID	OJ991112_14.0128.C7
Gene No.	5796	Strand	-
Start	38486	End	40146
Name	OJ991112_14.0128.C7.o5.tm	Method	TBLASTX:Maize
Start	39265	End	39703
GI	none	Score	134
Exons	39265..39600, 39268..39594, 39467..39598, 39599..39703, 39612..39689		
Seq. No.	2761	Seq. ID	OJ991112_14.0128.C7

Gene No.	5796	Strand	-
Start	38486	End	40146
Name	OJ991112_14.0128.C7.o2.ts	Method	TBLASTX:Soybean
Start	39503	End	40116
GI	5509260	Score	81
Exons	39503..39616, 39508..39597, 39709..40062, 39806..39988,	39602..39700, 39602..39724, 39823..40053, 40051..40116	
GI Descrip.	-		

Seq. No.	2761	Seq. ID	OJ991112_14.0128.C7
Gene No.	5796	Strand	-
Start	38486	End	40146
Name	OJ991112_14.0128.C7.o1.tw	Method	TBLASTX:Wheat
Start	39517	End	39988
GI	none	Score	55
Exons	39517..39597, 39527..39598, 39715..39918, 39719..39760, 39899..39988	39605..39694, 39606..39692, 39806..39856, 39898..39987,	

Seq. No.	2761	Seq. ID	OJ991112_14.0128.C7
Gene No.	5796	Strand	-
Start	38486	End	40146
Name	OJ991112_14.0128.C7.o8.tm	Method	TBLASTX:Maize
Start	39709	End	39978
GI	none	Score	95
Exons	39709..39978, 39806..39961		

Seq. No.	2762	Seq. ID	OJ991022_18.0127.C1
Gene No.	5797	Strand	+
Start	209	End	2928
Name	OJ991022_18.0127.C1.o1.np	Method	AAT/NAP
Start	209	End	2214
GI	730510	Score	767
Exons	209..295, 1132..1179, 1273..1320, 1409..1480, 1568..1723, 1830..1933, 2124..2214		
GI Descrip.	RAS-RELATED PROTEIN RIC1 gi|542150|pir||S38740 GTP-binding protein - rice gi|432607|gb|AAB28535| (S66160) ras-related GTP binding protein possessing GTPase activity=ric1 [Oryza sativa=rice, var. Yamahoushi, callus, Peptide, 202 aa] [Oryza sativa]		

Seq. No.	2762	Seq. ID	OJ991022_18.0127.C1
Gene No.	5797	Strand	+
Start	209	End	2928
Name	OJ991022_18.0127.C1.o1.gp	Method	AAT/GAP
Start	242	End	2490
GI	373_1.R1084	Score	1533
Exons	242..295, 1132..1179, 1273..1320, 1409..1480, 1568..1723, 1830..1933, 2124..2490		
GI Descrip.	'730510/sp|P40392|RIC1_ORYSA 1.0e-106 RAS-RELATED PROTEIN RIC1 >gi_542150_pir__S38740 GTP-binding protein - rice >gi_432607_gb_AAB28535_ (S66160) ras-related GTP binding protein possessing GTPase activity=ric1 [Oryza sativa=rice, var. Yamahoushi, callus, Peptide, 202 aa] [Oryza sativa]'		

Seq. No.	2762	Seq. ID	OJ991022_18.0127.C1
Gene No.	5797	Strand	+

Start	209	End	2928
Name	OJ991022_18.0127.C1.o1.tm	Method	TBLASTX:Maize
Start	242	End	2260
GI	none	Score	89
Exons	242..295, 242..295, 242..295, 242..295, 247..297, 247..297, 1093..1182, 1107..1220, 1132..1179, 1132..1167, 1273..1320, 1275..1319, 1408..1482, 1409..1483, 1410..1463, 1411..1482, 1548..1724, 1577..1723, 1595..1729, 1788..1934, 1827..1934, 1828..1935, 2119..2154, 2119..2145, 2139..2249, 2140..2199, 2148..2249, 2159..2260		

Seq. No.	2762	Seq. ID	OJ991022_18.0127.C1
Gene No.	5797	Strand	+
Start	209	End	2928
Name	OJ991022_18.0127.C1.o1.ts	Method	TBLASTX:Soybean
Start	242	End	2213
GI	none	Score	89
Exons	242..295, 244..297, 1107..1190, 1132..1179, 1273..1320, 1275..1313, 1409..1483, 1411..1482, 1545..1724, 1570..1686, 1577..1729, 1827..1934, 1829..1933, 2118..2159, 2119..2160, 2145..2213, 2146..2199		

Seq. No.	2762	Seq. ID	OJ991022_18.0127.C1
Gene No.	5797	Strand	+
Start	209	End	2928
Name	OJ991022_18.0127.C1.o1.tw	Method	TBLASTX:Wheat
Start	242	End	1711
GI	none	Score	89
Exons	242..295, 244..297, 1107..1220, 1132..1179, 1272..1319, 1273..1320, 1275..1319, 1405..1479, 1409..1483, 1411..1479, 1570..1701, 1577..1711, 1612..1707		

Seq. No.	2762	Seq. ID	OJ991022_18.0127.C1
Gene No.	5797	Strand	+
Start	209	End	2928
Name	OJ991022_18.0127.C1.o1.tc	Method	TBLASTX:Cress
Start	242	End	2196
GI	none	Score	83
Exons	242..295, 244..297, 1107..1184, 1132..1179, 1269..1319, 1273..1320, 1275..1319, 1405..1458, 1409..1483, 1411..1479, 1569..1724, 1577..1723, 1827..1934, 1829..1930, 2140..2196		

Seq. No.	2762	Seq. ID	OJ991022_18.0127.C1
Gene No.	5797	Strand	+
Start	209	End	2928
Name	OJ991022_18.0127.C1.o1.gs	Method	GENSCAN
Start	1132	End	2928
GI	none	Score	.84
Exons	1132..1179, 1273..1320, 1409..1480, 1568..1723, 1830..1933, 2432..2538, 2831..2928		

Seq. No.	2762	Seq. ID	OJ991022_18.0127.C1
Gene No.	5797	Strand	+
Start	209	End	2928
Name	OJ991022_18.0127.C1.o2.tw	Method	TBLASTX:Wheat
Start	1818	End	2374
GI	none	Score	185

Exons	1818..1934, 1829..1933, 2118..2252, 2118..2225, 2261..2311, 2261..2311, 2333..2374		
Seq. No.	2763	Seq. ID	OJ991022_18.0127.C2
Gene No.	5798	Strand	-
Start	50	End	1866
Name	OJ991022_18.0127.C2.o1.gs	Method	GENSCAN
Start	50	End	1866
GI	none	Score	.85
Exons	50..651, 1649..1866		
Seq. No.	2763	Seq. ID	OJ991022_18.0127.C2
Gene No.	5798	Strand	-
Start	50	End	1866
Name	OJ991022_18.0127.C2.o1.tm	Method	TBLASTX:Maize
Start	247	End	667
GI	none	Score	114
Exons	247..360, 248..361, 249..368, 270..368, 363..662, 363..662, 365..667, 470..664		
Seq. No.	2763	Seq. ID	OJ991022_18.0127.C2
Gene No.	5798	Strand	-
Start	50	End	1866
Name	OJ991022_18.0127.C2.o1.np	Method	AAT/NAP
Start	461	End	1831
GI	6714422	Score	282
Exons	461..651, 1649..1831		
GI Descrip.	(AC012328) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	2763	Seq. ID	OJ991022_18.0127.C2
Gene No.	5798	Strand	-
Start	50	End	1866
Name	OJ991022_18.0127.C2.o2.tm	Method	TBLASTX:Maize
Start	1648	End	1833
GI	none	Score	240
Exons	1648..1833, 1649..1828		
Seq. No.	2764	Seq. ID	OJ991022_18.0127.C3
Gene No.	5799	Strand	+
Start	33	End	10102
Name	OJ991022_18.0127.C3.o1.gs	Method	GENSCAN
Start	33	End	10102
GI	none	Score	.59
Exons	33..103, 1787..1911, 4005..4126, 6527..6577, 6927..7136, 7715..7748, 7874..7943, 8081..8138, 8784..8912, 9269..9360, 9499..9583, 9863..9935, 10041..10102		
Seq. No.	2764	Seq. ID	OJ991022_18.0127.C3
Gene No.	5799	Strand	+
Start	33	End	10102
Name	OJ991022_18.0127.C3.o1.gp	Method	AAT/GAP
Start	7069	End	8155
GI	4968586	Score	543
Exons	7069..7136, 7269..7334, 7474..7541, 7715..7748, 7874..7943, 8081..8155		
Seq. No.	2764	Seq. ID	OJ991022_18.0127.C3

Gene No.	5800	Strand	+
Start	10116	End	10415
Name	OJ991022_18.0127.C3.o2.gp	Method	AAT/GAP
Start	10116	End	10415
GI	699958	Score	538
Exons	10116..10415		

Seq. No.	2764	Seq. ID	OJ991022_18.0127.C3
Gene No.	5801	Strand	+
Start	10569	End	10853
Name	OJ991022_18.0127.C3.o3.gp	Method	AAT/GAP
Start	10569	End	10853
GI	uC-osf1M2020117h06a1	Score	562
Exons	10569..10853		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	2764	Seq. ID	OJ991022_18.0127.C3
Gene No.	5802	Strand	
Start	10875	End	11282
Name	OJ991022_18.0127.C3.o1.ts	Method	TBLASTX:Soybean
Start	10875	End	11282
GI	none	Score	64
Exons	10875..10949, 10885..10944, 11035..11112, 11036..11113, 11199..11282, 11201..11281		

Seq. No.	2765	Seq. ID	OJ991022_18.0127.C4
Gene No.	5803	Strand	+
Start	6778	End	7533
Name	OJ991022_18.0127.C4.o1.gp	Method	AAT/GAP
Start	6755	End	7175
GI	LIB3431-028-P1-K1-A7	Score	794
Exons	6755..7175		
GI Descrip.	'4127348/emb|CAA09188| 6.0e-26 (AJ010449) glutathione transferase [Alopecurus myosuroides]'		

Seq. No.	2765	Seq. ID	OJ991022_18.0127.C4
Gene No.	5803	Strand	+
Start	6778	End	7533
Name	OJ991022_18.0127.C4.o2.gs	Method	GENSCAN
Start	6778	End	7530
GI	none	Score	1
Exons	6778..7530		

Seq. No.	2765	Seq. ID	OJ991022_18.0127.C4
Gene No.	5803	Strand	+
Start	6778	End	7533
Name	OJ991022_18.0127.C4.o2.np	Method	AAT/NAP
Start	6802	End	7533
GI	4127348	Score	554
Exons	6802..7533		
GI Descrip.	(AJ010449) glutathione transferase [Alopecurus myosuroides]		

Seq. No.	2765	Seq. ID	OJ991022_18.0127.C4
Gene No.	5804	Strand	+
Start	10065	End	10170
Name	OJ991022_18.0127.C4.o3.np	Method	AAT/NAP

Start	10065	End	10170
GI	5777617	Score	95
Exons	10065..10170		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	2765	Seq. ID	OJ991022_18.0127.C4
Gene No.	5805	Strand	+
Start	11072	End	11641
Name	OJ991022_18.0127.C4.o3.gp	Method	AAT/GAP
Start	11072	End	11641
GI	4879016	Score	847
Exons	11072..11641		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	2765	Seq. ID	OJ991022_18.0127.C4
Gene No.	5806	Strand	+
Start	12378	End	12680
Name	OJ991022_18.0127.C4.o4.gs	Method	GENSCAN
Start	12378	End	12680
GI	none	Score	.63
Exons	12378..12680		

Seq. No.	2765	Seq. ID	OJ991022_18.0127.C4
Gene No.	5807	Strand	-
Start	1	End	5651
Name	OJ991022_18.0127.C4.o1.np	Method	AAT/NAP
Start	1	End	2111
GI	399367	Score	476
Exons	1..130, 692..778, 897..956, 1032..1118, 1694..1901, 1981..2111		
GI Descrip.	NADP-SPECIFIC GLUTAMATE DEHYDROGENASE (NADP-GDH) gi|5678876|emb|CAA42048.2| (X59404) glutamate dehydrogenase (NADP+) [Corynebacterium glutamicum]		

Seq. No.	2765	Seq. ID	OJ991022_18.0127.C4
Gene No.	5807	Strand	-
Start	1	End	5651
Name	OJ991022_18.0127.C4.o1.gs	Method	GENSCAN
Start	56	End	5651
GI	none	Score	.7
Exons	56..127, 692..778, 897..956, 1032..1118, 1694..1895, 1981..2107, 2617..3308, 3431..3627, 4840..4926, 5280..5420, 5640..5651		

Seq. No.	2765	Seq. ID	OJ991022_18.0127.C4
Gene No.	5808	Strand	-
Start	7541	End	7749
Name	OJ991022_18.0127.C4.o2.gp	Method	AAT/GAP
Start	7541	End	7749
GI	LIB3431-028-P1-N1-A7	Score	398
Exons	7541..7749		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	2765	Seq. ID	OJ991022_18.0127.C4
Gene No.	5809	Strand	-

Start	8085	End	11345
Name	OJ991022_18.0127.C4.o2.ts	Method	TBLASTX:Soybean
Start	3	End	1750
GI	none	Score	104
Exons	3..128, 53..130, 690..755, 692..781, 693..773, 897..959, 897..959, 1034..1132, 1044..1148, 1688..1750, 1695..1748		

Seq. No.	2765	Seq. ID	OJ991022_18.0127.C4
Gene No.	5809	Strand	-
Start	8085	End	11345
Name	OJ991022_18.0127.C4.o3.tm	Method	TBLASTX:Maize
Start	21	End	1800
GI	none	Score	127
Exons	21..128, 53..130, 53..130, 687..773, 692..781, 692..781, 876..959, 877..957, 896..979, 1028..1141, 1031..1117, 1044..1148, 1667..1798, 1695..1799, 1699..1800, 1708..1800		

Seq. No.	2765	Seq. ID	OJ991022_18.0127.C4
Gene No.	5809	Strand	-
Start	8085	End	11345
Name	OJ991022_18.0127.C4.o2.tc	Method	TBLASTX:Cress
Start	1044	End	2058
GI	none	Score	124
Exons	1044..1148, 1694..1900, 1695..1880, 1975..2058		

Seq. No.	2765	Seq. ID	OJ991022_18.0127.C4
Gene No.	5809	Strand	-
Start	8085	End	11345
Name	OJ991022_18.0127.C4.o4.tm	Method	TBLASTX:Maize
Start	1864	End	2672
GI	none	Score	170
Exons	1864..1887, 1950..2108, 1978..2109, 1982..2110, 1993..2109, 2615..2671, 2616..2672		

Seq. No.	2765	Seq. ID	OJ991022_18.0127.C4
Gene No.	5809	Strand	-
Start	8085	End	11345
Name	OJ991022_18.0127.C4.o1.tm	Method	TBLASTX:Maize
Start	2673	End	3172
GI	none	Score	126
Exons	2673..2819, 2675..2818, 2730..2819, 2808..2867, 2816..2872, 2918..2971, 2981..3028, 2982..3029, 3047..3172		

Seq. No.	2765	Seq. ID	OJ991022_18.0127.C4
Gene No.	5809	Strand	-
Start	8085	End	11345
Name	OJ991022_18.0127.C4.o1.ts	Method	TBLASTX:Soybean
Start	2705	End	3139
GI	none	Score	152
Exons	2705..2881, 2733..2867, 3017..3139		

Seq. No.	2765	Seq. ID	OJ991022_18.0127.C4
Gene No.	5809	Strand	-
Start	8085	End	11345
Name	OJ991022_18.0127.C4.o1.tw	Method	TBLASTX:Wheat
Start	6802	End	7044
GI	none	Score	81

Exons	6802..6903, 6814..6894, 6895..7044, 6951..7025, 6994..7035		
Seq. No.	2765	Seq. ID	OJ991022_18.0127.C4
Gene No.	5809	Strand	-
Start	8085	End	11345
Name	OJ991022_18.0127.C4.o1.tc	Method	TBLASTX:Cress
Start	6814	End	7044
GI	none	Score	233
Exons	6814..7044		
Seq. No.	2765	Seq. ID	OJ991022_18.0127.C4
Gene No.	5809	Strand	-
Start	8085	End	11345
Name	OJ991022_18.0127.C4.o2.tm	Method	TBLASTX:Maize
Start	6814	End	7556
GI	none	Score	260
Exons	6814..7044, 6951..7025, 7096..7182, 7270..7497, 7344..7424, 7414..7527, 7533..7556		
Seq. No.	2765	Seq. ID	OJ991022_18.0127.C4
Gene No.	5809	Strand	-
Start	8085	End	11345
Name	OJ991022_18.0127.C4.o3.ts	Method	TBLASTX:Soybean
Start	6817	End	7044
GI	none	Score	269
Exons	6817..6909, 6820..7044, 6951..7025		
Seq. No.	2765	Seq. ID	OJ991022_18.0127.C4
Gene No.	5809	Strand	-
Start	8085	End	11345
Name	OJ991022_18.0127.C4.o3.gs	Method	GENSCAN
Start	8085	End	11345
GI	none	Score	.67
Exons	8085..8156, 8249..8563, 8768..8877, 10285..10369, 10374..10621, 11333..11345		
Seq. No.	2766	Seq. ID	OJ991022_18.0127.C5
Gene No.	5810	Strand	+
Start	134	End	445
Name	OJ991022_18.0127.C5.o1.gs	Method	GENSCAN
Start	134	End	445
GI	none	Score	.67
Exons	134..445		
Seq. No.	2766	Seq. ID	OJ991022_18.0127.C5
Gene No.	5811	Strand	-
Start	597	End	711
Name	OJ991022_18.0127.C5.o1.np	Method	AAT/NAP
Start	597	End	711
GI	5777617	Score	68
Exons	597..711		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		
Seq. No.	2766	Seq. ID	OJ991022_18.0127.C5
Gene No.	5812	Strand	-
Start	2517	End	4157
Name	OJ991022_18.0127.C5.o2.gs	Method	GENSCAN

Start	2517	End	4157
GI	none	Score	.81
Exons	2517..2581, 3066..3114, 3406..3500, 4079..4157		

Seq. No.	2767	Seq. ID	OJ991022_18.0127.C6
Gene No.	5813	Strand	+
Start	2751	End	3089
Name	OJ991022_18.0127.C6.o1.gs	Method	GENSCAN
Start	2751	End	3089
GI	none	Score	.44
Exons	2751..2924, 3069..3089		

Seq. No.	2767	Seq. ID	OJ991022_18.0127.C6
Gene No.	5814	Strand	-
Start	6604	End	11222
Name	OJ991022_18.0127.C6.o1.np	Method	AAT/NAP
Start	6604	End	11222
GI	5091513	Score	2466
Exons	6604..6823, 6876..6961, 7726..7851, 7895..8044, 8111..8675, 9418..10937, 11071..11222		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	2768	Seq. ID	OJ991022_18.0127.C7
Gene No.	5815	Strand	
Start	983	End	1267
Name	OJ991022_18.0127.C7.o1.tm	Method	TBLASTX:Maize
Start	983	End	1267
GI	none	Score	78
Exons	983..1084, 1079..1267, 1095..1265		

Seq. No.	2769	Seq. ID	OJ991022_18.0127.C9
Gene No.	5816	Strand	-
Start	67	End	204
Name	OJ991022_18.0127.C9.o1.gs	Method	GENSCAN
Start	67	End	204
GI	none	Score	.65
Exons	67..204		

Seq. No.	2770	Seq. ID	OJ991022_18.0127.C10
Gene No.	5817	Strand	+
Start	88	End	346
Name	OJ991022_18.0127.C10.o1.gs	Method	GENSCAN
Start	88	End	346
GI	none	Score	.87
Exons	88..346		

Seq. No.	2771	Seq. ID	OJ991022_18.0127.C11
Gene No.	5818	Strand	-
Start	52	End	641
Name	OJ991022_18.0127.C11.o1.np	Method	AAT/NAP
Start	52	End	641
GI	418604	Score	930
Exons	52..641		
GI Descrip.	HYPOTHETICAL 35.6 KD PROTEIN IN RPME-TDK INTERGENIC REGION (ORFP)		

Seq. No.	2771	Seq. ID	OJ991022_18.0127.C11

Gene No.	5818	Strand	-
Start	52	End	641
Name	OJ991022_18.0127.C11.o1.gs	Method	GENSCAN
Start	245	End	486
GI	none	Score	.9
Exons	245..486		

Seq. No.	2772	Seq. ID	OJ991022_18.0127.C12
Gene No.	5819	Strand	-
Start	66	End	131
Name	OJ991022_18.0127.C12.o1.gs	Method	GENSCAN
Start	66	End	131
GI	none	Score	.57
Exons	66..131		

Seq. No.	2772	Seq. ID	OJ991022_18.0127.C12
Gene No.	5820	Strand	-
Start	331	End	856
Name	OJ991022_18.0127.C12.o1.np	Method	AAT/NAP
Start	331	End	856
GI	5852093	Score	61
Exons	331..457, 822..856		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	2773	Seq. ID	OJ991022_18.0127.C13
Gene No.	5821	Strand	
Start	303	End	657
Name	OJ991022_18.0127.C13.o1.tw	Method	TBLASTX:Wheat
Start	303	End	657
GI	none	Score	100
Exons	303..434, 307..453, 432..524, 433..657, 576..653		

Seq. No.	2774	Seq. ID	OJ991022_18.0127.C14
Gene No.	5822	Strand	-
Start	20	End	577
Name	OJ991022_18.0127.C14.o1.gs	Method	GENSCAN
Start	20	End	577
GI	none	Score	.53
Exons	20..303, 511..577		

Seq. No.	2775	Seq. ID	OJ991022_18.0127.C15
Gene No.	5823	Strand	+
Start	315	End	431
Name	OJ991022_18.0127.C15.o1.gs	Method	GENSCAN
Start	315	End	431
GI	none	Score	.53
Exons	315..431		

Seq. No.	2776	Seq. ID	OJ991022_18.0127.C16
Gene No.	5824	Strand	+
Start	505	End	5723
Name	OJ991022_18.0127.C16.o1.gp	Method	AAT/GAP
Start	505	End	2776
GI	10446_1.R1084	Score	953
Exons	505..959, 2697..2776		
GI Descrip.	'3335365 9.0e-21 (AC003028) high affinity calcium antiporter [Arabidopsis thaliana]'		

Seq. No.	2776	Seq. ID	OJ991022_18.0127.C16
Gene No.	5824	Strand	+
Start	505	End	5723
Name	OJ991022_18.0127.C16.o1.np	Method	AAT/NAP
Start	520	End	4664
GI	3063392	Score	1129
Exons	520..549, 720..959, 2697..2764, 2867..2895, 3336..4006, 4121..4174, 4269..4385, 4527..4664		
GI Descrip.	(AB012932) Ca2+/H+ exchanger [Vigna radiata]		

Seq. No.	2776	Seq. ID	OJ991022_18.0127.C16
Gene No.	5824	Strand	+
Start	505	End	5723
Name	OJ991022_18.0127.C16.o1.gs	Method	GENSCAN
Start	702	End	4765
GI	none	Score	.44
Exons	702..959, 2697..2764, 2867..2895, 3336..4006, 4121..4174, 4269..4385, 4527..4617, 4698..4765		

Seq. No.	2776	Seq. ID	OJ991022_18.0127.C16
Gene No.	5824	Strand	+
Start	505	End	5723
Name	OJ991022_18.0127.C16.o2.gp	Method	AAT/GAP
Start	4531	End	5723
GI	none	Score	1049
Exons	4531..4617, 4698..4768, 5323..5723		

Seq. No.	2776	Seq. ID	OJ991022_18.0127.C16
Gene No.	5825	Strand	+
Start	9631	End	10260
Name	OJ991022_18.0127.C16.o2.np	Method	AAT/NAP
Start	9631	End	10260
GI	6630699	Score	82
Exons	9631..9889, 10175..10260		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	2776	Seq. ID	OJ991022_18.0127.C16
Gene No.	5826	Strand	+
Start	10396	End	13175
Name	OJ991022_18.0127.C16.o3.np	Method	AAT/NAP
Start	10396	End	13175
GI	6539570	Score	196
Exons	10396..10590, 10782..10848, 13142..13175		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	2776	Seq. ID	OJ991022_18.0127.C16
Gene No.	5827	Strand	+
Start	13549	End	14501
Name	OJ991022_18.0127.C16.o4.gp	Method	AAT/GAP
Start	13512	End	13720
GI	569440	Score	326
Exons	13512..13720		

Seq. No.	2776	Seq. ID	OJ991022_18.0127.C16

Gene No.	5827	Strand	+
Start	13549	End	14501
Name	OJ991022_18.0127.C16.o4.gs	Method	GENSCAN
Start	13549	End	14501
GI	none	Score	.91
Exons	13549..14127, 14220..14501		

Seq. No.	2776	Seq. ID	OJ991022_18.0127.C16
Gene No.	5827	Strand	+
Start	13549	End	14501
Name	OJ991022_18.0127.C16.o4.np	Method	AAT/NAP
Start	13558	End	14498
GI	3242721	Score	429
Exons	13558..13960, 14027..14127, 14220..14498		
GI Descrip.	(AC003040) putative acetone-cyanohydrin lyase [Arabidopsis thaliana]		

Seq. No.	2776	Seq. ID	OJ991022_18.0127.C16
Gene No.	5828	Strand	-
Start	10177	End	10605
Name	OJ991022_18.0127.C16.o3.gp	Method	AAT/GAP
Start	10177	End	10605
GI	LIB3479-006-Q6-K1-B11	Score	615
Exons	10177..10605		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	2776	Seq. ID	OJ991022_18.0127.C16
Gene No.	5829	Strand	-
Start	11320	End	13304
Name	OJ991022_18.0127.C16.o3.gs	Method	GENSCAN
Start	11320	End	13304
GI	none	Score	.77
Exons	11320..11780, 12812..12928, 13142..13304		

Seq. No.	2776	Seq. ID	OJ991022_18.0127.C16
Gene No.	5830	Strand	-
Start	14955	End	15318
Name	OJ991022_18.0127.C16.o1.tm	Method	TBLASTX:Maize
Start	765	End	4773
GI	none	Score	57
Exons	765..821, 801..962, 824..961, 2694..2765, 2696..2785, 2696..2764, 2868..2894, 3310..3666, 3317..3628, 3613..4011, 3661..3693, 3686..4012, 4120..4176, 4121..4177, 4262..4381, 4269..4385, 4269..4385, 4503..4616, 4524..4619, 4525..4680, 4526..4618, 4703..4768, 4708..4773		

Seq. No.	2776	Seq. ID	OJ991022_18.0127.C16
Gene No.	5830	Strand	-
Start	14955	End	15318
Name	OJ991022_18.0127.C16.o4.tc	Method	TBLASTX:Cress
Start	767	End	3373
GI	none	Score	193
Exons	767..937, 768..953, 2670..2765, 2705..2782, 3320..3373		

Seq. No.	2776	Seq. ID	OJ991022_18.0127.C16
Gene No.	5830	Strand	-

Start	14955	End	15318
Name	OJ991022_18.0127.C16.o1.ts	Method	TBLASTX:Soybean
Start	768	End	4633
GI	none	Score	198
Exons	768..953, 773..952, 2700..2765, 3320..3619, 3334..3429, 3686..4012, 3826..4011, 4120..4176, 4121..4177, 4262..4387, 4269..4385, 4474..4620, 4503..4613, 4508..4633		

Seq. No.	2776	Seq. ID	OJ991022_18.0127.C16
Gene No.	5830	Strand	-
Start	14955	End	15318
Name	OJ991022_18.0127.C16.o1.tc	Method	TBLASTX:Cress
Start	3485	End	4613
GI	none	Score	103
Exons	3485..3610, 3655..3756, 3686..3760, 3791..4012, 3826..4011, 4120..4176, 4121..4177, 4262..4387, 4269..4385, 4503..4613		

Seq. No.	2776	Seq. ID	OJ991022_18.0127.C16
Gene No.	5830	Strand	-
Start	14955	End	15318
Name	OJ991022_18.0127.C16.o1.tw	Method	TBLASTX:Wheat
Start	3661	End	4012
GI	none	Score	128
Exons	3661..3756, 3683..3763, 3689..3775, 3791..4012, 3823..4005		

Seq. No.	2776	Seq. ID	OJ991022_18.0127.C16
Gene No.	5830	Strand	-
Start	14955	End	15318
Name	OJ991022_18.0127.C16.o2.tc	Method	TBLASTX:Cress
Start	13605	End	13920
GI	none	Score	112
Exons	13605..13658, 13606..13683, 13729..13920, 13812..13919		

Seq. No.	2776	Seq. ID	OJ991022_18.0127.C16
Gene No.	5830	Strand	-
Start	14955	End	15318
Name	OJ991022_18.0127.C16.o3.tm	Method	TBLASTX:Maize
Start	13605	End	13923
GI	none	Score	62
Exons	13605..13652, 13606..13650, 13732..13923, 13774..13905, 13809..13919		

Seq. No.	2776	Seq. ID	OJ991022_18.0127.C16
Gene No.	5830	Strand	-
Start	14955	End	15318
Name	OJ991022_18.0127.C16.o2.ts	Method	TBLASTX:Soybean
Start	13606	End	14118
GI	none	Score	98
Exons	13606..13683, 13732..13932, 13812..13919, 14029..14118		

Seq. No.	2776	Seq. ID	OJ991022_18.0127.C16
Gene No.	5830	Strand	-
Start	14955	End	15318
Name	OJ991022_18.0127.C16.o2.tw	Method	TBLASTX:Wheat
Start	13611	End	13923
GI	none	Score	93
Exons	13611..13658, 13612..13683, 13729..13923, 13774..13890,		

13809..13913

Seq. No.	2776	Seq. ID	OJ991022_18.0127.C16
Gene No.	5830	Strand	-
Start	14955	End	15318
Name	OJ991022_18.0127.C16.o2.tm	Method	TBLASTX:Maize
Start	14019	End	14381
GI	none	Score	139
Exons	14019..14129, 14023..14127, 14217..14381, 14217..14381		

Seq. No.	2776	Seq. ID	OJ991022_18.0127.C16
Gene No.	5830	Strand	-
Start	14955	End	15318
Name	OJ991022_18.0127.C16.o3.tc	Method	TBLASTX:Cress
Start	14080	End	14501
GI	none	Score	44
Exons	14080..14112, 14217..14501		

Seq. No.	2776	Seq. ID	OJ991022_18.0127.C16
Gene No.	5830	Strand	-
Start	14955	End	15318
Name	OJ991022_18.0127.C16.o5.gs	Method	GENSCAN
Start	14955	End	15318
GI	none	Score	.49
Exons	14955..15128, 15229..15318		

Seq. No.	2777	Seq. ID	OJ991022_18.0127.C17
Gene No.	5831	Strand	+
Start	3365	End	5402
Name	OJ991022_18.0127.C17.o1.gp	Method	AAT/GAP
Start	3365	End	3717
GI	2801069	Score	531
Exons	3365..3717		
GI Descrip.	2498779/sp|Q43360|PI7B_ORYSA 5.0e-10 PIR7B PROTEIN >gi_629801_pir__S47087 pir7b protein - rice >gi_498745_emb_CAA84026_ (Z34271) Pir7b [Oryza sativa]		

Seq. No.	2777	Seq. ID	OJ991022_18.0127.C17
Gene No.	5831	Strand	+
Start	3365	End	5402
Name	OJ991022_18.0127.C17.o1.gs	Method	GENSCAN
Start	3453	End	5402
GI	none	Score	.89
Exons	3453..4278, 5230..5402		

Seq. No.	2777	Seq. ID	OJ991022_18.0127.C17
Gene No.	5831	Strand	+
Start	3365	End	5402
Name	OJ991022_18.0127.C17.o2.gp	Method	AAT/GAP
Start	3912	End	3967
GI	LIB3434-051-P1-K1-G8	Score	64
Exons	3912..3967		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	2777	Seq. ID	OJ991022_18.0127.C17
Gene No.	5832	Strand	+

Start	5936	End	11887
Name	OJ991022_18.0127.C17.o4.ts	Method	TBLASTX:Soybean
Start	3470	End	3818
GI	none	Score	124
Exons	3470..3592, 3489..3593, 3651..3818		

Seq. No.	2777	Seq. ID	OJ991022_18.0127.C17
Gene No.	5832	Strand	+
Start	5936	End	11887
Name	OJ991022_18.0127.C17.o4.tm	Method	TBLASTX:Maize
Start	3504	End	3850
GI	none	Score	76
Exons	3504..3569, 3648..3830, 3693..3824, 3728..3850		

Seq. No.	2777	Seq. ID	OJ991022_18.0127.C17
Gene No.	5832	Strand	+
Start	5936	End	11887
Name	OJ991022_18.0127.C17.o1.tc	Method	TBLASTX:Cress
Start	3507	End	3854
GI	none	Score	114
Exons	3507..3593, 3512..3592, 3651..3854, 3731..3853		

Seq. No.	2777	Seq. ID	OJ991022_18.0127.C17
Gene No.	5832	Strand	+
Start	5936	End	11887
Name	OJ991022_18.0127.C17.o3.tw	Method	TBLASTX:Wheat
Start	3522	End	3854
GI	none	Score	93
Exons	3522..3596, 3530..3595, 3651..3833, 3728..3832, 3750..3854		

Seq. No.	2777	Seq. ID	OJ991022_18.0127.C17
Gene No.	5832	Strand	+
Start	5936	End	11887
Name	OJ991022_18.0127.C17.o3.tm	Method	TBLASTX:Maize
Start	3969	End	4254
GI	none	Score	264
Exons	3969..4106, 3970..4254, 4156..4254		

Seq. No.	2777	Seq. ID	OJ991022_18.0127.C17
Gene No.	5832	Strand	+
Start	5936	End	11887
Name	OJ991022_18.0127.C17.o3.tc	Method	TBLASTX:Cress
Start	4039	End	4353
GI	none	Score	224
Exons	4039..4353, 4044..4094, 4165..4332, 4170..4352		

Seq. No.	2777	Seq. ID	OJ991022_18.0127.C17
Gene No.	5832	Strand	+
Start	5936	End	11887
Name	OJ991022_18.0127.C17.o2.gs	Method	GENSCAN
Start	5936	End	11767
GI	none	Score	.72
Exons	5936..6022, 6367..6660, 6852..6908, 6953..7246, 7642..7888, 8468..11767		

Seq. No.	2777	Seq. ID	OJ991022_18.0127.C17
Gene No.	5832	Strand	+

Start	5936	End	11887
Name	OJ991022_18.0127.C17.o1.np	Method	AAT/NAP
Start	8476	End	11887
GI	4234852	Score	3437
Exons	8476..8636, 8679..11887		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	2777	Seq. ID	OJ991022_18.0127.C17
Gene No.	5832	Strand	+
Start	5936	End	11887
Name	OJ991022_18.0127.C17.o1.tm	Method	TBLASTX:Maize
Start	8568	End	9579
GI	none	Score	588
Exons	8568..9146, 8569..9177, 9187..9318, 9258..9299, 9423..9473, 9514..9579		

Seq. No.	2777	Seq. ID	OJ991022_18.0127.C17
Gene No.	5832	Strand	+
Start	5936	End	11887
Name	OJ991022_18.0127.C17.o4.tw	Method	TBLASTX:Wheat
Start	9499	End	9936
GI	none	Score	115
Exons	9499..9696, 9766..9936		

Seq. No.	2777	Seq. ID	OJ991022_18.0127.C17
Gene No.	5832	Strand	+
Start	5936	End	11887
Name	OJ991022_18.0127.C17.o2.ts	Method	TBLASTX:Soybean
Start	9793	End	10179
GI	none	Score	344
Exons	9793..10179, 9804..10010		

Seq. No.	2777	Seq. ID	OJ991022_18.0127.C17
Gene No.	5832	Strand	+
Start	5936	End	11887
Name	OJ991022_18.0127.C17.o2.tw	Method	TBLASTX:Wheat
Start	9955	End	10617
GI	none	Score	252
Exons	9955..10194, 9969..10193, 10234..10539, 10257..10517, 10518..10592, 10519..10617		

Seq. No.	2777	Seq. ID	OJ991022_18.0127.C17
Gene No.	5832	Strand	+
Start	5936	End	11887
Name	OJ991022_18.0127.C17.o5.tm	Method	TBLASTX:Maize
Start	9970	End	10428
GI	none	Score	128
Exons	9970..10194, 10243..10428, 10245..10406		

Seq. No.	2777	Seq. ID	OJ991022_18.0127.C17
Gene No.	5832	Strand	+
Start	5936	End	11887
Name	OJ991022_18.0127.C17.o3.ts	Method	TBLASTX:Soybean
Start	10234	End	10620
GI	none	Score	186
Exons	10234..10443, 10236..10415, 10447..10620		

Seq. No.	2777	Seq. ID	OJ991022_18.0127.C17
Gene No.	5832	Strand	+
Start	5936	End	11887
Name	OJ991022_18.0127.C17.o4.tc	Method	TBLASTX:Cress
Start	10234	End	10614
GI	none	Score	123
Exons	10234..10434, 10447..10614		

Seq. No.	2777	Seq. ID	OJ991022_18.0127.C17
Gene No.	5832	Strand	+
Start	5936	End	11887
Name	OJ991022_18.0127.C17.o1.ts	Method	TBLASTX:Soybean
Start	11131	End	11568
GI	5509260	Score	365
Exons	11131..11568, 11220..11492, 11535..11567		
GI Descrip.	-		

Seq. No.	2777	Seq. ID	OJ991022_18.0127.C17
Gene No.	5832	Strand	+
Start	5936	End	11887
Name	OJ991022_18.0127.C17.o2.tc	Method	TBLASTX:Cress
Start	11218	End	11478
GI	none	Score	249
Exons	11218..11478, 11220..11456		

Seq. No.	2777	Seq. ID	OJ991022_18.0127.C17
Gene No.	5832	Strand	+
Start	5936	End	11887
Name	OJ991022_18.0127.C17.o1.tw	Method	TBLASTX:Wheat
Start	11259	End	11880
GI	none	Score	364
Exons	11259..11606, 11260..11604, 11260..11613, 11589..11876, 11590..11877, 11674..11880		

Seq. No.	2777	Seq. ID	OJ991022_18.0127.C17
Gene No.	5832	Strand	+
Start	5936	End	11887
Name	OJ991022_18.0127.C17.o2.tm	Method	TBLASTX:Maize
Start	11260	End	11724
GI	none	Score	275
Exons	11260..11568, 11277..11567, 11602..11724		

Seq. No.	2778	Seq. ID	OJ991022_18.0127.C18
Gene No.	5833	Strand	+
Start	1	End	522
Name	OJ991022_18.0127.C18.o1.np	Method	AAT/NAP
Start	1	End	522
GI	4234854	Score	672
Exons	1..522		
GI Descrip.	(AF082134) pol polyprotein [Zea mays]		

Seq. No.	2778	Seq. ID	OJ991022_18.0127.C18
Gene No.	5833	Strand	+
Start	1	End	522
Name	OJ991022_18.0127.C18.o1.tm	Method	TBLASTX:Maize
Start	25	End	483
GI	none	Score	55

Exons	25..84, 67..243, 292..483		
Seq. No.	2778	Seq. ID	OJ991022_18.0127.C18
Gene No.	5833	Strand	+
Start	1	End	522
Name	OJ991022_18.0127.C18.o1.tw	Method	TBLASTX:Wheat
Start	68	End	471
GI	none	Score	51
Exons	68..181, 72..305, 76..471		
Seq. No.	2778	Seq. ID	OJ991022_18.0127.C18
Gene No.	5833	Strand	+
Start	1	End	522
Name	OJ991022_18.0127.C18.o1.ts	Method	TBLASTX:Soybean
Start	93	End	468
GI	none	Score	124
Exons	93..194, 97..288, 277..468		
Seq. No.	2779	Seq. ID	OJ991022_18.0127.C19
Gene No.	5834	Strand	+
Start	2	End	4605
Name	OJ991022_18.0127.C19.o1.gs	Method	GENSCAN
Start	2	End	4605
GI	none	Score	.74
Exons	2..199, 1479..1901, 2936..3103, 3187..3226, 3330..3441, 3514..3583, 4207..4605		
Seq. No.	2779	Seq. ID	OJ991022_18.0127.C19
Gene No.	5835	Strand	+
Start	5384	End	6096
Name	OJ991022_18.0127.C19.o1.gp	Method	AAT/GAP
Start	5384	End	6096
GI	4219_1.R1084	Score	1131
Exons	5384..6096		
GI Descrip.	'4490321/emb|CAB38705.1| 2.0e-09 (AJ011604) nitrate transporter [Arabidopsis thaliana]'		
Seq. No.	2779	Seq. ID	OJ991022_18.0127.C19
Gene No.	5836	Strand	-
Start	5654	End	7039
Name	OJ991022_18.0127.C19.o2.gs	Method	GENSCAN
Start	5654	End	6973
GI	none	Score	.99
Exons	5654..6973		
Seq. No.	2779	Seq. ID	OJ991022_18.0127.C19
Gene No.	5836	Strand	-
Start	5654	End	7039
Name	OJ991022_18.0127.C19.o2.np	Method	AAT/NAP
Start	5663	End	7039
GI	2760834	Score	1322
Exons	5663..7039		
GI Descrip.	(AC003105) putative nitrate transporter [Arabidopsis thaliana]		
Seq. No.	2779	Seq. ID	OJ991022_18.0127.C19
Gene No.	5836	Strand	-
Start	5654	End	7039

Name	OJ991022_18.0127.C19.o1.tc	Method	TBLASTX:Cress
Start	5732	End	6986
GI	none	Score	242
Exons	5732..5836, 5841..6050, 5921..6106, 6056..6298, 6144..6281, 6284..6445, 6288..6437, 6563..6634, 6611..6985, 6615..6764, 6885..6986		

Seq. No.	2779	Seq. ID	OJ991022_18.0127.C19
Gene No.	5836	Strand	-
Start	5654	End	7039
Name	OJ991022_18.0127.C19.o1.tm	Method	TBLASTX:Maize
Start	5732	End	6440
GI	none	Score	187
Exons	5732..5836, 5853..6053, 5904..5939, 5921..6061, 6068..6187, 6171..6440, 6173..6439		

Seq. No.	2779	Seq. ID	OJ991022_18.0127.C19
Gene No.	5836	Strand	-
Start	5654	End	7039
Name	OJ991022_18.0127.C19.o1.ts	Method	TBLASTX:Soybean
Start	5792	End	6545
GI	none	Score	228
Exons	5792..5836, 5850..6041, 5921..6040, 5930..6043, 6047..6280, 6144..6281, 6284..6445, 6288..6440, 6513..6545		

Seq. No.	2779	Seq. ID	OJ991022_18.0127.C19
Gene No.	5836	Strand	-
Start	5654	End	7039
Name	OJ991022_18.0127.C19.o2.gp	Method	AAT/GAP
Start	6024	End	6513
GI	LIB3431-054-P1-K1-F11	Score	926
Exons	6024..6513		
GI Descrip.	'2760834/gb|AAB95302.1| 2.0e-41 (AC003105) putative nitrate transporter [Arabidopsis thaliana]'		

Seq. No.	2779	Seq. ID	OJ991022_18.0127.C19
Gene No.	5836	Strand	-
Start	5654	End	7039
Name	OJ991022_18.0127.C19.o2.tm	Method	TBLASTX:Maize
Start	6476	End	6988
GI	none	Score	289
Exons	6476..6547, 6605..6988		

Seq. No.	2779	Seq. ID	OJ991022_18.0127.C19
Gene No.	5836	Strand	-
Start	5654	End	7039
Name	OJ991022_18.0127.C19.o2.ts	Method	TBLASTX:Soybean
Start	6644	End	6886
GI	none	Score	78
Exons	6644..6886, 6657..6764		

Seq. No.	2780	Seq. ID	OJ991022_18.0127.C20
Gene No.	5837	Strand	-
Start	1	End	378
Name	OJ991022_18.0127.C20.o1.gp	Method	AAT/GAP
Start	1	End	378
GI	3761683	Score	321

Exons	1..104, 290..378		
GI Descrip.	2760834/gb|AAB95302.1| 1.0e-12 (AC003105) putative nitrate transporter [Arabidopsis thaliana]		
Seq. No.	2781	Seq. ID	OJ991022_18.0127.C21
Gene No.	5838	Strand	-
Start	1545	End	1985
Name	OJ991022_18.0127.C21.o1.np	Method	AAT/NAP
Start	1545	End	1985
GI	1085679	Score	257
Exons	1545..1985		
GI Descrip.	calmodulin - Macrocystis pyrifera gi|728609|emb|CAA59418| (X85091) calmodulin [Macrocystis pyrifera]		
Seq. No.	2781	Seq. ID	OJ991022_18.0127.C21
Gene No.	5838	Strand	-
Start	1545	End	1985
Name	OJ991022_18.0127.C21.o1.tc	Method	TBLASTX:Cress
Start	1563	End	1925
GI	none	Score	43
Exons	1563..1604, 1590..1643, 1651..1698, 1664..1702, 1817..1924, 1821..1925		
Seq. No.	2781	Seq. ID	OJ991022_18.0127.C21
Gene No.	5838	Strand	-
Start	1545	End	1985
Name	OJ991022_18.0127.C21.o1.tw	Method	TBLASTX:Wheat
Start	1563	End	1925
GI	none	Score	42
Exons	1563..1607, 1563..1604, 1590..1643, 1651..1698, 1652..1735, 1696..1761, 1697..1762, 1817..1924, 1818..1925		
Seq. No.	2781	Seq. ID	OJ991022_18.0127.C21
Gene No.	5838	Strand	-
Start	1545	End	1985
Name	OJ991022_18.0127.C21.o1.ts	Method	TBLASTX:Soybean
Start	1563	End	1925
GI	none	Score	35
Exons	1563..1604, 1589..1645, 1590..1643, 1651..1698, 1696..1761, 1697..1765, 1817..1924, 1821..1925		
Seq. No.	2781	Seq. ID	OJ991022_18.0127.C21
Gene No.	5838	Strand	-
Start	1545	End	1985
Name	OJ991022_18.0127.C21.o1.tm	Method	TBLASTX:Maize
Start	1563	End	1925
GI	none	Score	35
Exons	1563..1604, 1566..1598, 1584..1643, 1590..1643, 1651..1698, 1652..1735, 1696..1761, 1697..1765, 1817..1924, 1818..1925, 1831..1896		
Seq. No.	2782	Seq. ID	OJ991022_18.0127.C22
Gene No.	5839	Strand	+
Start	227	End	357
Name	OJ991022_18.0127.C22.o1.gs	Method	GENSCAN
Start	227	End	357
GI	none	Score	.89

Exons	227..357		
Seq. No.	2783	Seq. ID	OJ991022_18.0127.C24
Gene No.	5840	Strand	+
Start	101	End	841
Name	OJ991022_18.0127.C24.o1.gs	Method	GENSCAN
Start	101	End	841
GI	none	Score	.4
Exons	101..293, 298..400, 752..841		
Seq. No.	2784	Seq. ID	OJ991022_18.0127.C25
Gene No.	5841	Strand	+
Start	93	End	1169
Name	OJ991022_18.0127.C25.o1.gs	Method	GENSCAN
Start	93	End	629
GI	none	Score	.62
Exons	93..629		
Seq. No.	2784	Seq. ID	OJ991022_18.0127.C25
Gene No.	5841	Strand	+
Start	93	End	1169
Name	OJ991022_18.0127.C25.o1.tw	Method	TBLASTX:Wheat
Start	197	End	608
GI	none	Score	322
Exons	197..598, 273..608, 297..608		
Seq. No.	2784	Seq. ID	OJ991022_18.0127.C25
Gene No.	5841	Strand	+
Start	93	End	1169
Name	OJ991022_18.0127.C25.o2.np	Method	AAT/NAP
Start	326	End	1169
GI	4581111	Score	232
Exons	326..695, 726..1169		
GI Descrip.	(AC005825) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		
Seq. No.	2784	Seq. ID	OJ991022_18.0127.C25
Gene No.	5841	Strand	+
Start	93	End	1169
Name	OJ991022_18.0127.C25.o2.tm	Method	TBLASTX:Maize
Start	622	End	799
GI	none	Score	197
Exons	622..792, 626..799		
Seq. No.	2784	Seq. ID	OJ991022_18.0127.C25
Gene No.	5841	Strand	+
Start	93	End	1169
Name	OJ991022_18.0127.C25.o2.tw	Method	TBLASTX:Wheat
Start	932	End	1154
GI	none	Score	140
Exons	932..1048, 1044..1154, 1046..1153		
Seq. No.	2784	Seq. ID	OJ991022_18.0127.C25
Gene No.	5841	Strand	+
Start	93	End	1169
Name	OJ991022_18.0127.C25.o1.tm	Method	TBLASTX:Maize
Start	974	End	1169

GI	none	Score	107
Exons	974..1048, 977..1066, 1043..1162, 1044..1166, 1053..1169		

Seq. No.	2785	Seq. ID	OJ991022_18.0127.C26
Gene No.	5842	Strand	+
Start	308	End	904
Name	OJ991022_18.0127.C26.o1.gs	Method	GENSCAN
Start	308	End	904
GI	none	Score	.46
Exons	308..456, 462..554, 833..904		

Seq. No.	2786	Seq. ID	OJ991022_18.0127.C27
Gene No.	5843	Strand	-
Start	80	End	514
Name	OJ991022_18.0127.C27.o1.gs	Method	GENSCAN
Start	80	End	514
GI	none	Score	1
Exons	80..514		

Seq. No.	2787	Seq. ID	OJ991102_13.0120.C1
Gene No.	5844	Strand	+
Start	1	End	2288
Name	OJ991102_13.0120.C1.o1.np	Method	AAT/NAP
Start	1	End	2285
GI	4680179	Score	3251
Exons	1..2285		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2787	Seq. ID	OJ991102_13.0120.C1
Gene No.	5844	Strand	+
Start	1	End	2288
Name	OJ991102_13.0120.C1.o1.ts	Method	TBLASTX:Soybean
Start	33	End	267
GI	none	Score	299
Exons	33..266, 34..267		

Seq. No.	2787	Seq. ID	OJ991102_13.0120.C1
Gene No.	5844	Strand	+
Start	1	End	2288
Name	OJ991102_13.0120.C1.o4.tw	Method	TBLASTX:Wheat
Start	33	End	282
GI	none	Score	323
Exons	33..266, 34..282		

Seq. No.	2787	Seq. ID	OJ991102_13.0120.C1
Gene No.	5844	Strand	+
Start	1	End	2288
Name	OJ991102_13.0120.C1.o4.tm	Method	TBLASTX:Maize
Start	34	End	348
GI	none	Score	320
Exons	34..348, 135..347		

Seq. No.	2787	Seq. ID	OJ991102_13.0120.C1
Gene No.	5844	Strand	+
Start	1	End	2288
Name	OJ991102_13.0120.C1.o1.gs	Method	GENSCAN
Start	94	End	894

GI	none	Score	.59
Exons	94..894		

Seq. No.	2787	Seq. ID	OJ991102_13.0120.C1
Gene No.	5844	Strand	+
Start	1	End	2288
Name	OJ991102_13.0120.C1.o2.tw	Method	TBLASTX:Wheat
Start	283	End	786
GI	none	Score	626
Exons	283..786, 315..704, 331..708		

Seq. No.	2787	Seq. ID	OJ991102_13.0120.C1
Gene No.	5844	Strand	+
Start	1	End	2288
Name	OJ991102_13.0120.C1.o3.ts	Method	TBLASTX:Soybean
Start	289	End	534
GI	none	Score	205
Exons	289..534, 306..533		

Seq. No.	2787	Seq. ID	OJ991102_13.0120.C1
Gene No.	5844	Strand	+
Start	1	End	2288
Name	OJ991102_13.0120.C1.o2.tm	Method	TBLASTX:Maize
Start	354	End	708
GI	none	Score	478
Exons	354..704, 355..708		

Seq. No.	2787	Seq. ID	OJ991102_13.0120.C1
Gene No.	5844	Strand	+
Start	1	End	2288
Name	OJ991102_13.0120.C1.o3.tw	Method	TBLASTX:Wheat
Start	787	End	1274
GI	none	Score	82
Exons	787..873, 885..1268, 890..1270, 891..1274		

Seq. No.	2787	Seq. ID	OJ991102_13.0120.C1
Gene No.	5844	Strand	+
Start	1	End	2288
Name	OJ991102_13.0120.C1.o1.tc	Method	TBLASTX:Cress
Start	981	End	1298
GI	none	Score	90
Exons	981..1154, 1155..1298, 1157..1297		

Seq. No.	2787	Seq. ID	OJ991102_13.0120.C1
Gene No.	5844	Strand	+
Start	1	End	2288
Name	OJ991102_13.0120.C1.o2.ts	Method	TBLASTX:Soybean
Start	1062	End	1323
GI	none	Score	297
Exons	1062..1322, 1067..1321, 1186..1323		

Seq. No.	2787	Seq. ID	OJ991102_13.0120.C1
Gene No.	5844	Strand	+
Start	1	End	2288
Name	OJ991102_13.0120.C1.o2.gs	Method	GENSCAN
Start	1086	End	2288
GI	none	Score	.66

Exons	1086..2288		
Seq. No.	2787	Seq. ID	OJ991102_13.0120.C1
Gene No.	5844	Strand	+
Start	1	End	2288
Name	OJ991102_13.0120.C1.o3.tm	Method	TBLASTX:Maize
Start	1121	End	1412
GI	none	Score	374
Exons	1121..1408, 1122..1412		
Seq. No.	2787	Seq. ID	OJ991102_13.0120.C1
Gene No.	5844	Strand	+
Start	1	End	2288
Name	OJ991102_13.0120.C1.o1.tw	Method	TBLASTX:Wheat
Start	1281	End	1907
GI	none	Score	708
Exons	1281..1907, 1337..1795, 1653..1904		
Seq. No.	2787	Seq. ID	OJ991102_13.0120.C1
Gene No.	5844	Strand	+
Start	1	End	2288
Name	OJ991102_13.0120.C1.o1.tm	Method	TBLASTX:Maize
Start	1461	End	2060
GI	none	Score	231
Exons	1461..1622, 1466..1624, 1469..1615, 1619..1717, 1619..2044, 1620..2060		
Seq. No.	2787	Seq. ID	OJ991102_13.0120.C1
Gene No.	5844	Strand	+
Start	1	End	2288
Name	OJ991102_13.0120.C1.o5.tw	Method	TBLASTX:Wheat
Start	1907	End	2240
GI	none	Score	292
Exons	1907..2176, 1908..2240, 1911..2219		
Seq. No.	2788	Seq. ID	OJ991102_13.0120.C2
Gene No.	5845	Strand	+
Start	19	End	278
Name	OJ991102_13.0120.C2.o1.gs	Method	GENSCAN
Start	19	End	278
GI	none	Score	.76
Exons	19..278		
Seq. No.	2789	Seq. ID	OJ991102_13.0120.C3
Gene No.	5846	Strand	+
Start	1	End	812
Name	OJ991102_13.0120.C3.o1.np	Method	AAT/NAP
Start	1	End	812
GI	6721561	Score	88
Exons	1..24, 595..678, 749..812		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	2789	Seq. ID	OJ991102_13.0120.C3

Gene No.	5846	Strand	+
Start	1	End	812
Name	OJ991102_13.0120.C3.o1.gs	Method	GENSCAN
Start	121	End	786
GI	none	Score	.59
Exons	121..227, 563..678, 749..786		

Seq. No.	2790	Seq. ID	OJ991102_13.0120.C4
Gene No.	5847	Strand	+
Start	1	End	176
Name	OJ991102_13.0120.C4.o1.gp	Method	AAT/GAP
Start	1	End	176
GI	61605_3.R1084	Score	303
Exons	1..176		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	2790	Seq. ID	OJ991102_13.0120.C4
Gene No.	5848	Strand	+
Start	271	End	1155
Name	OJ991102_13.0120.C4.o1.gs	Method	GENSCAN
Start	271	End	1155
GI	none	Score	.67
Exons	271..417, 502..615, 951..1155		

Seq. No.	2791	Seq. ID	OJ991102_13.0120.C5
Gene No.	5849	Strand	+
Start	1	End	4787
Name	OJ991102_13.0120.C5.o4.np	Method	AAT/NAP
Start	1	End	4787
GI	4680186	Score	353
Exons	1..115, 3694..3748, 4587..4787		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	2791	Seq. ID	OJ991102_13.0120.C5
Gene No.	5850	Strand	-
Start	1	End	5178
Name	OJ991102_13.0120.C5.o1.np	Method	AAT/NAP
Start	1	End	5178
GI	4544372	Score	397
Exons	1..844, 5067..5178		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	2791	Seq. ID	OJ991102_13.0120.C5
Gene No.	5850	Strand	-
Start	1	End	5178
Name	OJ991102_13.0120.C5.o1.gs	Method	GENSCAN
Start	270	End	3564
GI	none	Score	.49
Exons	270..1058, 1574..1727, 1912..3080, 3384..3564		

Seq. No.	2791	Seq. ID	OJ991102_13.0120.C5
Gene No.	5850	Strand	-
Start	1	End	5178
Name	OJ991102_13.0120.C5.o1.ts	Method	TBLASTX:Soybean
Start	436	End	717

GI	none	Score	70
Exons	436..717, 437..529		
Seq. No.	2791	Seq. ID	OJ991102_13.0120.C5
Gene No.	5850	Strand	-
Start	1	End	5178
Name	OJ991102_13.0120.C5.o1.tm	Method	TBLASTX:Maize
Start	466	End	798
GI	none	Score	215
Exons	466..798		
Seq. No.	2791	Seq. ID	OJ991102_13.0120.C5
Gene No.	5850	Strand	-
Start	1	End	5178
Name	OJ991102_13.0120.C5.o2.ts	Method	TBLASTX:Soybean
Start	1434	End	1835
GI	none	Score	213
Exons	1434..1835		
Seq. No.	2791	Seq. ID	OJ991102_13.0120.C5
Gene No.	5850	Strand	-
Start	1	End	5178
Name	OJ991102_13.0120.C5.o2.gp	Method	AAT/GAP
Start	4339	End	4720
GI	uC-osflcyp033a04b1	Score	659
Exons	4339..4720		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	2792	Seq. ID	OJ991102_13.0120.C6
Gene No.	5851	Strand	+
Start	111	End	580
Name	OJ991102_13.0120.C6.o1.gs	Method	GENSCAN
Start	111	End	580
GI	none	Score	.55
Exons	111..289, 298..580		
Seq. No.	2792	Seq. ID	OJ991102_13.0120.C6
Gene No.	5852	Strand	-
Start	1885	End	6429
Name	OJ991102_13.0120.C6.o2.gs	Method	GENSCAN
Start	1885	End	4095
GI	none	Score	1
Exons	1885..4095		
Seq. No.	2792	Seq. ID	OJ991102_13.0120.C6
Gene No.	5852	Strand	-
Start	1885	End	6429
Name	OJ991102_13.0120.C6.o1.np	Method	AAT/NAP
Start	1888	End	6405
GI	4680179	Score	5332
Exons	1888..5289, 5323..6405		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	2792	Seq. ID	OJ991102_13.0120.C6
Gene No.	5852	Strand	-
Start	1885	End	6429

Name	OJ991102_13.0120.C6.o2.np	Method	AAT/NAP
Start	1921	End	6429
GI	4539660	Score	4380
Exons	1921..6287, 6339..6429		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	2792	Seq. ID	OJ991102_13.0120.C6
Gene No.	5852	Strand	-
Start	1885	End	6429
Name	OJ991102_13.0120.C6.o3.gs	Method	GENSCAN
Start	4156	End	6399
GI	none	Score	.84
Exons	4156..6399		

Seq. No.	2792	Seq. ID	OJ991102_13.0120.C6
Gene No.	5853	Strand	-
Start	6657	End	9770
Name	OJ991102_13.0120.C6.o4.gs	Method	GENSCAN
Start	6657	End	9770
GI	none	Score	.66
Exons	6657..7466, 9195..9368, 9422..9625, 9663..9770		

Seq. No.	2792	Seq. ID	OJ991102_13.0120.C6
Gene No.	5854	Strand	-
Start	10425	End	14885
Name	OJ991102_13.0120.C6.o5.gs	Method	GENSCAN
Start	10425	End	11261
GI	none	Score	.89
Exons	10425..11261		

Seq. No.	2792	Seq. ID	OJ991102_13.0120.C6
Gene No.	5854	Strand	-
Start	10425	End	14885
Name	OJ991102_13.0120.C6.o3.np	Method	AAT/NAP
Start	10428	End	14885
GI	4680179	Score	5538
Exons	10428..13831, 13859..14885		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2792	Seq. ID	OJ991102_13.0120.C6
Gene No.	5854	Strand	-
Start	10425	End	14885
Name	OJ991102_13.0120.C6.o6.gs	Method	GENSCAN
Start	11658	End	14854
GI	none	Score	.73
Exons	11658..12526, 12677..12756, 12902..13104, 13184..13968, 14110..14854		

Seq. No.	2792	Seq. ID	OJ991102_13.0120.C6
Gene No.	5855	Strand	-
Start	15128	End	15922
Name	OJ991102_13.0120.C6.o7.gs	Method	GENSCAN
Start	15128	End	15814
GI	none	Score	.98
Exons	15128..15814		

Seq. No.	2792	Seq. ID	OJ991102_13.0120.C6

Gene No.	5855	Strand	-
Start	15128	End	15922
Name	OJ991102_13.0120.C6.o4.np	Method	AAT/NAP
Start	15131	End	15922
GI	4512231	Score	1300
Exons	15131..15922		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	2792	Seq. ID	OJ991102_13.0120.C6
Gene No.	5856	Strand	-
Start	17096	End	17459
Name	OJ991102_13.0120.C6.o6.tw	Method	TBLASTX:Wheat
Start	1933	End	10806
GI	none	Score	124
Exons	1933..2265, 1954..2262, 1997..2266, 10473..10805, 10494..10655, 10525..10806		

Seq. No.	2792	Seq. ID	OJ991102_13.0120.C6
Gene No.	5856	Strand	-
Start	17096	End	17459
Name	OJ991102_13.0120.C6.o1.tm	Method	TBLASTX:Maize
Start	2113	End	11253
GI	none	Score	253
Exons	2113..2553, 2129..2551, 2551..2712, 2570..2704, 10668..11093, 10669..10866, 10848..10934, 10930..11094, 11091..11252, 11098..11253		

Seq. No.	2792	Seq. ID	OJ991102_13.0120.C6
Gene No.	5856	Strand	-
Start	17096	End	17459
Name	OJ991102_13.0120.C6.o1.tw	Method	TBLASTX:Wheat
Start	2266	End	11432
GI	none	Score	291
Exons	2266..2892, 2267..2836, 10806..11432, 10807..10866, 10848..11372, 10927..11373		

Seq. No.	2792	Seq. ID	OJ991102_13.0120.C6
Gene No.	5856	Strand	-
Start	17096	End	17459
Name	OJ991102_13.0120.C6.o3.tm	Method	TBLASTX:Maize
Start	2761	End	11592
GI	none	Score	216
Exons	2761..3051, 2765..3052, 11301..11591, 11305..11592, 11305..11592		

Seq. No.	2792	Seq. ID	OJ991102_13.0120.C6
Gene No.	5856	Strand	-
Start	17096	End	17459
Name	OJ991102_13.0120.C6.o2.ts	Method	TBLASTX:Soybean
Start	2851	End	11651
GI	none	Score	148
Exons	2851..3111, 2852..3106, 11391..11651, 11392..11640		

Seq. No.	2792	Seq. ID	OJ991102_13.0120.C6
Gene No.	5856	Strand	-
Start	17096	End	17459
Name	OJ991102_13.0120.C6.o1.tc	Method	TBLASTX:Cress
Start	2875	End	11784

GI	none	Score	85
Exons	2875..3018, 2876..3016, 3019..3192, 11415..11558, 11416..11556, 11559..11741, 11569..11784		

Seq. No.	2792	Seq. ID	OJ991102_13.0120.C6
Gene No.	5856	Strand	-
Start	17096	End	17459
Name	OJ991102_13.0120.C6.o2.tw	Method	TBLASTX:Wheat
Start	2899	End	11978
GI	none	Score	340
Exons	2899..3435, 2900..3466, 11438..11683, 11439..11978, 11443..11937		

Seq. No.	2792	Seq. ID	OJ991102_13.0120.C6
Gene No.	5856	Strand	-
Start	17096	End	17459
Name	OJ991102_13.0120.C6.o2.tm	Method	TBLASTX:Maize
Start	3466	End	12361
GI	none	Score	178
Exons	3466..3819, 3518..3820, 3614..3820, 12006..12347, 12013..12339, 12185..12361		

Seq. No.	2792	Seq. ID	OJ991102_13.0120.C6
Gene No.	5856	Strand	-
Start	17096	End	17459
Name	OJ991102_13.0120.C6.o3.tw	Method	TBLASTX:Wheat
Start	3467	End	12431
GI	none	Score	236
Exons	3467..3841, 3469..3843, 3469..3891, 3503..3862, 12006..12431, 12013..12342, 12367..12429		

Seq. No.	2792	Seq. ID	OJ991102_13.0120.C6
Gene No.	5856	Strand	-
Start	17096	End	17459
Name	OJ991102_13.0120.C6.o3.ts	Method	TBLASTX:Soybean
Start	3640	End	12425
GI	none	Score	81
Exons	3640..3885, 3641..3868, 12177..12425		

Seq. No.	2792	Seq. ID	OJ991102_13.0120.C6
Gene No.	5856	Strand	-
Start	17096	End	17459
Name	OJ991102_13.0120.C6.o4.tm	Method	TBLASTX:Maize
Start	3856	End	12891
GI	none	Score	50
Exons	3856..4146, 3899..3949, 3977..4105, 4177..4356, 4229..4348, 12396..12530, 12532..12699, 12533..12646, 12754..12891		

Seq. No.	2792	Seq. ID	OJ991102_13.0120.C6
Gene No.	5856	Strand	-
Start	17096	End	17459
Name	OJ991102_13.0120.C6.o5.tw	Method	TBLASTX:Wheat
Start	3892	End	12724
GI	none	Score	297
Exons	3892..4194, 3908..4192, 12432..12530, 12432..12530, 12433..12531, 12445..12543, 12532..12696, 12536..12724, 12642..12716		

Seq. No.	2792	Seq. ID	OJ991102_13.0120.C6
Gene No.	5856	Strand	-
Start	17096	End	17459
Name	OJ991102_13.0120.C6.o1.ts	Method	TBLASTX:Soybean
Start	3907	End	12843
GI	none	Score	211
Exons	3907..4266, 3908..4198, 4229..4264, 4270..4302, 4271..4300, 12447..12530, 12457..12531, 12532..12807, 12536..12706, 12568..12789, 12755..12805, 12811..12843, 12812..12841		

Seq. No.	2792	Seq. ID	OJ991102_13.0120.C6
Gene No.	5856	Strand	-
Start	17096	End	17459
Name	OJ991102_13.0120.C6.o4.tw	Method	TBLASTX:Wheat
Start	4243	End	13268
GI	none	Score	254
Exons	4243..4725, 4286..4729, 12784..13122, 12827..13117, 12835..13119, 12912..13199, 13103..13267, 13107..13268		

Seq. No.	2792	Seq. ID	OJ991102_13.0120.C6
Gene No.	5856	Strand	-
Start	17096	End	17459
Name	OJ991102_13.0120.C6.o5.tm	Method	TBLASTX:Maize
Start	4424	End	13258
GI	none	Score	179
Exons	4424..4714, 4426..4713, 12965..13114, 12967..13122, 12994..13119, 13103..13258, 13122..13256		

Seq. No.	2792	Seq. ID	OJ991102_13.0120.C6
Gene No.	5856	Strand	-
Start	17096	End	17459
Name	OJ991102_13.0120.C6.o8.tw	Method	TBLASTX:Wheat
Start	4858	End	13753
GI	none	Score	43
Exons	4858..5211, 4895..5038, 5132..5212, 13400..13753, 13475..13663		

Seq. No.	2792	Seq. ID	OJ991102_13.0120.C6
Gene No.	5856	Strand	-
Start	17096	End	17459
Name	OJ991102_13.0120.C6.o7.tm	Method	TBLASTX:Maize
Start	4945	End	13807
GI	none	Score	63
Exons	4945..5298, 5129..5269, 13487..13807, 13689..13760		

Seq. No.	2792	Seq. ID	OJ991102_13.0120.C6
Gene No.	5856	Strand	-
Start	17096	End	17459
Name	OJ991102_13.0120.C6.o7.tw	Method	TBLASTX:Wheat
Start	5581	End	14437
GI	none	Score	109
Exons	5581..5928, 5738..5932, 14108..14437, 14243..14347		

Seq. No.	2792	Seq. ID	OJ991102_13.0120.C6
Gene No.	5856	Strand	-
Start	17096	End	17459
Name	OJ991102_13.0120.C6.o6.tm	Method	TBLASTX:Maize
Start	5626	End	14437

GI	none	Score	90
Exons	5626..5928, 5801..5917, 14132..14437		

Seq. No.	2792	Seq. ID	OJ991102_13.0120.C6
Gene No.	5856	Strand	-
Start	17096	End	17459
Name	OJ991102_13.0120.C6.o9.tw	Method	TBLASTX:Wheat
Start	5966	End	14687
GI	none	Score	116
Exons	5966..6163, 5968..6165, 6169..6192, 14489..14683, 14489..14686, 14490..14687		

Seq. No.	2792	Seq. ID	OJ991102_13.0120.C6
Gene No.	5856	Strand	-
Start	17096	End	17459
Name	OJ991102_13.0120.C6.o5.np	Method	AAT/NAP
Start	17096	End	17459
GI	6063554	Score	106
Exons	17096..17267, 17371..17459		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2793	Seq. ID	OJ991102_13.0120.C7
Gene No.	5857	Strand	+
Start	4344	End	5017
Name	OJ991102_13.0120.C7.o2.gp	Method	AAT/GAP
Start	4166	End	4547
GI	uC-osflcyp033a04b1	Score	687
Exons	4166..4547		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	2793	Seq. ID	OJ991102_13.0120.C7
Gene No.	5857	Strand	+
Start	4344	End	5017
Name	OJ991102_13.0120.C7.o2.gs	Method	GENSCAN
Start	4344	End	5017
GI	none	Score	.41
Exons	4344..4419, 4989..5017		

Seq. No.	2793	Seq. ID	OJ991102_13.0120.C7
Gene No.	5858	Strand	+
Start	6102	End	9234
Name	OJ991102_13.0120.C7.o3.gs	Method	GENSCAN
Start	6102	End	9234
GI	none	Score	.81
Exons	6102..6183, 6511..6627, 6722..6768, 6804..7018, 7045..7139, 7364..7456, 7530..7653, 8041..8133, 9009..9234		

Seq. No.	2793	Seq. ID	OJ991102_13.0120.C7
Gene No.	5859	Strand	-
Start	1	End	4453
Name	OJ991102_13.0120.C7.o1.np	Method	AAT/NAP
Start	1	End	4453
GI	5852180	Score	595
Exons	1..60, 2066..2136, 2831..3242, 3294..3411, 4396..4453		

GI Descrip. (AL117265) zhb00010.1 [Oryza sativa]

Seq. No.	2793	Seq. ID	OJ991102_13.0120.C7
Gene No.	5859	Strand	-
Start	1	End	4453
Name	OJ991102_13.0120.C7.o1.gs	Method	GENSCAN
Start	1072	End	3249
GI	none	Score	.74
Exons	1072..1229, 1332..1439, 1493..2140, 2697..3249		

Seq. No.	2793	Seq. ID	OJ991102_13.0120.C7
Gene No.	5860	Strand	-
Start	6884	End	7083
Name	OJ991102_13.0120.C7.o3.np	Method	AAT/NAP
Start	6884	End	7083
GI	6907089	Score	97
Exons	6884..7083		

GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. No.	2793	Seq. ID	OJ991102_13.0120.C7
Gene No.	5860	Strand	-
Start	6884	End	7083
Name	OJ991102_13.0120.C7.o2.np	Method	AAT/NAP
Start	6886	End	7083
GI	5803259	Score	100
Exons	6886..7083		

GI Descrip. (AP000399) hypothetical protein [Oryza sativa]

Seq. No.	2793	Seq. ID	OJ991102_13.0120.C7
Gene No.	5861	Strand	-
Start	8036	End	8580
Name	OJ991102_13.0120.C7.o4.np	Method	AAT/NAP
Start	8036	End	8580
GI	6539585	Score	151
Exons	8036..8111, 8412..8580		

GI Descrip. (AP000837) hypothetical protein [Oryza sativa]

Seq. No.	2794	Seq. ID	OJ991102_13.0120.C8
Gene No.	5862	Strand	+
Start	1	End	378
Name	OJ991102_13.0120.C8.o1.gp	Method	AAT/GAP
Start	1	End	378
GI	uC-osflcyp033a04b1	Score	655
Exons	1..378		

GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. No.	2794	Seq. ID	OJ991102_13.0120.C8
Gene No.	5863	Strand	-
Start	1	End	130
Name	OJ991102_13.0120.C8.o1.np	Method	AAT/NAP
Start	1	End	130
GI	4680186	Score	210
Exons	1..130		

GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No. 2794 Seq. ID OJ991102_13.0120.C8

Gene No.	5864	Strand	-
Start	227	End	280
Name	OJ991102_13.0120.C8.o1.gs	Method	GENSCAN
Start	227	End	280
GI	none	Score	.72
Exons	227..280		

Seq. No.	2795	Seq. ID	OJ991102_13.0120.C9
Gene No.	5865	Strand	+
Start	3407	End	10313
Name	OJ991102_13.0120.C9.o2.np	Method	AAT/NAP
Start	3407	End	8642
GI	5852180	Score	446
Exons	3407..3477, 7015..7080, 8061..8179, 8231..8642		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	2795	Seq. ID	OJ991102_13.0120.C9
Gene No.	5865	Strand	+
Start	3407	End	10313
Name	OJ991102_13.0120.C9.o3.np	Method	AAT/NAP
Start	8338	End	10313
GI	6721561	Score	769
Exons	8338..8519, 9259..9345, 9416..9474, 9551..10313		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2795	Seq. ID	OJ991102_13.0120.C9
Gene No.	5866	Strand	+
Start	15058	End	21453
Name	OJ991102_13.0120.C9.o6.np	Method	AAT/NAP
Start	15058	End	17625
GI	4206306	Score	924
Exons	15058..15265, 16277..17625		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	2795	Seq. ID	OJ991102_13.0120.C9
Gene No.	5866	Strand	+
Start	15058	End	21453
Name	OJ991102_13.0120.C9.o5.np	Method	AAT/NAP
Start	15906	End	21324
GI	4378066	Score	898
Exons	15906..15965, 16251..17633, 21253..21324		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	2795	Seq. ID	OJ991102_13.0120.C9
Gene No.	5866	Strand	+
Start	15058	End	21453
Name	OJ991102_13.0120.C9.o7.np	Method	AAT/NAP
Start	17908	End	21453
GI	6587815	Score	120
Exons	17908..18100, 21211..21453		
GI Descrip.	(AC010924) Similar to gb|U44028 Arabidopsis thaliana		

transcription factor CKC and contains a PF|00069 Eukaryotic protein kinase domain.

Seq. No.	2795	Seq. ID	OJ991102_13.0120.C9
Gene No.	5867	Strand	-
Start	488	End	5011
Name	OJ991102_13.0120.C9.o1.np	Method	AAT/NAP
Start	488	End	5011
GI	4680179	Score	5187
Exons	488..3892, 3926..5011		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2795	Seq. ID	OJ991102_13.0120.C9
Gene No.	5868	Strand	-
Start	6928	End	7310
Name	OJ991102_13.0120.C9.o1.gp	Method	AAT/GAP
Start	6928	End	7310
GI	uC-osflcyp033a04b1	Score	612
Exons	6928..7310		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	2795	Seq. ID	OJ991102_13.0120.C9
Gene No.	5869	Strand	-
Start	11772	End	17627
Name	OJ991102_13.0120.C9.o6.tw	Method	TBLASTX:Wheat
Start	533	End	866
GI	none	Score	107
Exons	533..865, 554..853, 597..866		

Seq. No.	2795	Seq. ID	OJ991102_13.0120.C9
Gene No.	5869	Strand	-
Start	11772	End	17627
Name	OJ991102_13.0120.C9.o1.tm	Method	TBLASTX:Maize
Start	713	End	1314
GI	none	Score	191
Exons	713..1123, 729..1124, 1123..1155, 1153..1314, 1160..1306		

Seq. No.	2795	Seq. ID	OJ991102_13.0120.C9
Gene No.	5869	Strand	-
Start	11772	End	17627
Name	OJ991102_13.0120.C9.o1.tw	Method	TBLASTX:Wheat
Start	866	End	1494
GI	none	Score	125
Exons	866..1120, 978..1118, 1121..1438, 1126..1494		

Seq. No.	2795	Seq. ID	OJ991102_13.0120.C9
Gene No.	5869	Strand	-
Start	11772	End	17627
Name	OJ991102_13.0120.C9.o5.tm	Method	TBLASTX:Maize
Start	1363	End	1654
GI	none	Score	214
Exons	1363..1653, 1367..1654		

Seq. No.	2795	Seq. ID	OJ991102_13.0120.C9
Gene No.	5869	Strand	-
Start	11772	End	17627

Name	OJ991102_13.0120.C9.o2.ts	Method	TBLASTX:Soybean
Start	1453	End	1713
GI	none	Score	154
Exons	1453..1713, 1454..1708		

Seq. No.	2795	Seq. ID	OJ991102_13.0120.C9
Gene No.	5869	Strand	-
Start	11772	End	17627
Name	OJ991102_13.0120.C9.o2.tw	Method	TBLASTX:Wheat
Start	1501	End	2038
GI	none	Score	257
Exons	1501..1794, 1502..1786, 1507..1788, 1790..2038, 1802..1969, 1815..1994		

Seq. No.	2795	Seq. ID	OJ991102_13.0120.C9
Gene No.	5869	Strand	-
Start	11772	End	17627
Name	OJ991102_13.0120.C9.o2.tm	Method	TBLASTX:Maize
Start	2069	End	2424
GI	none	Score	176
Exons	2069..2422, 2110..2424, 2121..2423		

Seq. No.	2795	Seq. ID	OJ991102_13.0120.C9
Gene No.	5869	Strand	-
Start	11772	End	17627
Name	OJ991102_13.0120.C9.o3.tw	Method	TBLASTX:Wheat
Start	2069	End	2494
GI	none	Score	220
Exons	2069..2431, 2069..2494, 2112..2462		

Seq. No.	2795	Seq. ID	OJ991102_13.0120.C9
Gene No.	5869	Strand	-
Start	11772	End	17627
Name	OJ991102_13.0120.C9.o3.ts	Method	TBLASTX:Soybean
Start	2243	End	2488
GI	none	Score	99
Exons	2243..2488, 2244..2471		

Seq. No.	2795	Seq. ID	OJ991102_13.0120.C9
Gene No.	5869	Strand	-
Start	11772	End	17627
Name	OJ991102_13.0120.C9.o3.tm	Method	TBLASTX:Maize
Start	2459	End	17487
GI	none	Score	62
Exons	2459..2773, 2780..2959, 2829..2951, 17353..17487		

Seq. No.	2795	Seq. ID	OJ991102_13.0120.C9
Gene No.	5869	Strand	-
Start	11772	End	17627
Name	OJ991102_13.0120.C9.o5.tw	Method	TBLASTX:Wheat
Start	2495	End	2797
GI	none	Score	243
Exons	2495..2797, 2511..2786		

Seq. No.	2795	Seq. ID	OJ991102_13.0120.C9
Gene No.	5869	Strand	-
Start	11772	End	17627

Name	OJ991102_13.0120.C9.o1.ts	Method	TBLASTX:Soybean
Start	2510	End	17625
GI	none	Score	193
Exons	2510..2869, 2510..2869, 2867..2905, 17404..17625		

Seq. No.	2795	Seq. ID	OJ991102_13.0120.C9
Gene No.	5869	Strand	-
Start	11772	End	17627
Name	OJ991102_13.0120.C9.o4.tw	Method	TBLASTX:Wheat
Start	2846	End	17412
GI	none	Score	239
Exons	2846..3223, 2904..3332, 3278..3328, 17096..17284, 17120..17218, 17296..17400, 17308..17412		

Seq. No.	2795	Seq. ID	OJ991102_13.0120.C9
Gene No.	5869	Strand	-
Start	11772	End	17627
Name	OJ991102_13.0120.C9.o4.tm	Method	TBLASTX:Maize
Start	2972	End	17299
GI	none	Score	351
Exons	2972..3190, 16999..17298, 17000..17299		

Seq. No.	2795	Seq. ID	OJ991102_13.0120.C9
Gene No.	5869	Strand	-
Start	11772	End	17627
Name	OJ991102_13.0120.C9.o7.tw	Method	TBLASTX:Wheat
Start	3540	End	4769
GI	none	Score	128
Exons	3540..3641, 4409..4768, 4410..4769		

Seq. No.	2795	Seq. ID	OJ991102_13.0120.C9
Gene No.	5869	Strand	-
Start	11772	End	17627
Name	OJ991102_13.0120.C9.o6.tm	Method	TBLASTX:Maize
Start	4223	End	4528
GI	none	Score	91
Exons	4223..4528, 4398..4514		

Seq. No.	2795	Seq. ID	OJ991102_13.0120.C9
Gene No.	5869	Strand	-
Start	11772	End	17627
Name	OJ991102_13.0120.C9.o4.np	Method	AAT/NAP
Start	11772	End	15877
GI	5902445	Score	286
Exons	11772..12194, 15784..15877		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	2795	Seq. ID	OJ991102_13.0120.C9
Gene No.	5869	Strand	-
Start	11772	End	17627
Name	OJ991102_13.0120.C9.o8.tw	Method	TBLASTX:Wheat
Start	17416	End	17627
GI	none	Score	198
Exons	17416..17625, 17419..17598, 17427..17627		

Seq. No.	2796	Seq. ID	OJ991102_13.0120.C10
Gene No.	5870	Strand	+

Start	1	End	1387
Name	OJ991102_13.0120.C10.o1.np	Method	AAT/NAP
Start	1	End	1387
GI	6063554	Score	160
Exons	1..53, 550..579, 1213..1387		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2796	Seq. ID	OJ991102_13.0120.C10
Gene No.	5870	Strand	+
Start	1	End	1387
Name	OJ991102_13.0120.C10.o1.gp	Method	AAT/GAP
Start	795	End	1227
GI	2428185	Score	710
Exons	795..1227		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	2796	Seq. ID	OJ991102_13.0120.C10
Gene No.	5871	Strand	-
Start	17	End	1242
Name	OJ991102_13.0120.C10.o1.gs	Method	GENSCAN
Start	17	End	1242
GI	none	Score	.54
Exons	17..148, 1118..1242		

Seq. No.	2797	Seq. ID	OJ991102_13.0120.C11
Gene No.	5872	Strand	-
Start	1	End	1604
Name	OJ991102_13.0120.C11.o1.np	Method	AAT/NAP
Start	1	End	1604
GI	6498436	Score	350
Exons	1..546, 1422..1604		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	2797	Seq. ID	OJ991102_13.0120.C11
Gene No.	5872	Strand	-
Start	1	End	1604
Name	OJ991102_13.0120.C11.o1.gs	Method	GENSCAN
Start	1397	End	1520
GI	none	Score	.68
Exons	1397..1520		

Seq. No.	2798	Seq. ID	OJ991102_13.0120.C12
Gene No.	5873	Strand	+
Start	5527	End	25535
Name	OJ991102_13.0120.C12.o2.np	Method	AAT/NAP
Start	5527	End	21243
GI	4680183	Score	181
Exons	5527..5629, 17743..17774, 20475..20545, 21154..21243		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	2798	Seq. ID	OJ991102_13.0120.C12
Gene No.	5873	Strand	+
Start	5527	End	25535
Name	OJ991102_13.0120.C12.o6.gp	Method	AAT/GAP

Start	8020	End	8141
GI	uC-osf1cyp033a04b1	Score	181
Exons	8020..8141		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	2798	Seq. ID	OJ991102_13.0120.C12
Gene No.	5873	Strand	+
Start	5527	End	25535
Name	OJ991102_13.0120.C12.o3.gs	Method	GENSCAN
Start	17279	End	17398
GI	none	Score	.52
Exons	17279..17398		

Seq. No.	2798	Seq. ID	OJ991102_13.0120.C12
Gene No.	5873	Strand	+
Start	5527	End	25535
Name	OJ991102_13.0120.C12.o5.np	Method	AAT/NAP
Start	19826	End	24871
GI	4680186	Score	380
Exons	19826..19870, 23487..23632, 23782..23833, 24671..24871		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	2798	Seq. ID	OJ991102_13.0120.C12
Gene No.	5873	Strand	+
Start	5527	End	25535
Name	OJ991102_13.0120.C12.o4.np	Method	AAT/NAP
Start	23433	End	25535
GI	6721561	Score	47
Exons	23433..23502, 23617..23720, 25505..25535		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2798	Seq. ID	OJ991102_13.0120.C12
Gene No.	5874	Strand	-
Start	49	End	1371
Name	OJ991102_13.0120.C12.o1.gs	Method	GENSCAN
Start	49	End	1192
GI	none	Score	.61
Exons	49..395, 1117..1192		

Seq. No.	2798	Seq. ID	OJ991102_13.0120.C12
Gene No.	5874	Strand	-
Start	49	End	1371
Name	OJ991102_13.0120.C12.o1.gp	Method	AAT/GAP
Start	558	End	629
GI	uC-osroM202024h08a1	Score	83
Exons	558..629		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	2798	Seq. ID	OJ991102_13.0120.C12
Gene No.	5874	Strand	-
Start	49	End	1371

Name	OJ991102_13.0120.C12.o2.gp	Method	AAT/GAP
Start	989	End	1371
GI	uC-osflcyp033a04b1	Score	708
Exons	989..1371		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	2798	Seq. ID	OJ991102_13.0120.C12
Gene No.	5875	Strand	-
Start	5640	End	5710
Name	OJ991102_13.0120.C12.o4.gp	Method	AAT/GAP
Start	5640	End	5710
GI	uC-osroM202024h08a1	Score	85
Exons	5640..5710		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	2798	Seq. ID	OJ991102_13.0120.C12
Gene No.	5876	Strand	-
Start	5850	End	6034
Name	OJ991102_13.0120.C12.o5.gp	Method	AAT/GAP
Start	5850	End	6034
GI	uC-osf1M202048c12b1	Score	318
Exons	5850..6034		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	2798	Seq. ID	OJ991102_13.0120.C12
Gene No.	5877	Strand	-
Start	10028	End	14530
Name	OJ991102_13.0120.C12.o1.np	Method	AAT/NAP
Start	10028	End	14530
GI	4680179	Score	5435
Exons	10028..13429, 13463..14530		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2798	Seq. ID	OJ991102_13.0120.C12
Gene No.	5878	Strand	-
Start	16465	End	16850
Name	OJ991102_13.0120.C12.o7.gp	Method	AAT/GAP
Start	16465	End	16850
GI	uC-osflcyp033a04b1	Score	649
Exons	16465..16850		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	2798	Seq. ID	OJ991102_13.0120.C12
Gene No.	5879	Strand	-
Start	22271	End	23096
Name	OJ991102_13.0120.C12.o3.np	Method	AAT/NAP
Start	22271	End	23096
GI	119714	Score	174
Exons	22271..23096		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi|82169|pir||S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi|19867|emb|CAA32090| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	2798	Seq. ID	OJ991102_13.0120.C12
Gene No.	5880	Strand	-
Start	24423	End	24804
Name	OJ991102_13.0120.C12.o7.tm	Method	TBLASTX:Maize
Start	3311	End	10969
GI	none	Score	194
Exons	3311..3430, 3315..3458, 10853..10969, 10881..10958		

Seq. No.	2798	Seq. ID	OJ991102_13.0120.C12
Gene No.	5880	Strand	-
Start	24423	End	24804
Name	OJ991102_13.0120.C12.o1.tw	Method	TBLASTX:Wheat
Start	3324	End	11032
GI	none	Score	668
Exons	3324..3905, 3335..3793, 3654..3899, 3836..3904, 10406..11032, 10407..10976		

Seq. No.	2798	Seq. ID	OJ991102_13.0120.C12
Gene No.	5880	Strand	-
Start	24423	End	24804
Name	OJ991102_13.0120.C12.o1.tm	Method	TBLASTX:Maize
Start	3459	End	10852
GI	none	Score	230
Exons	3459..3620, 3465..3611, 3467..3622, 3467..3613, 3617..3919, 3618..4007, 4010..4042, 10253..10693, 10269..10694, 10691..10852, 10698..10844		

Seq. No.	2798	Seq. ID	OJ991102_13.0120.C12
Gene No.	5880	Strand	-
Start	24423	End	24804
Name	OJ991102_13.0120.C12.o6.tw	Method	TBLASTX:Wheat
Start	3905	End	10406
GI	none	Score	138
Exons	3905..3979, 3906..4007, 4010..4237, 10073..10405, 10094..10402, 10137..10406		

Seq. No.	2798	Seq. ID	OJ991102_13.0120.C12
Gene No.	5880	Strand	-
Start	24423	End	24804
Name	OJ991102_13.0120.C12.o4.tm	Method	TBLASTX:Maize
Start	10971	End	11230
GI	none	Score	249
Exons	10971..11225, 10971..11204, 10973..11227, 10988..11230		

Seq. No.	2798	Seq. ID	OJ991102_13.0120.C12
Gene No.	5880	Strand	-
Start	24423	End	24804
Name	OJ991102_13.0120.C12.o2.ts	Method	TBLASTX:Soybean
Start	10991	End	11251
GI	none	Score	156
Exons	10991..11251, 10992..11246		

Seq. No.	2798	Seq. ID	OJ991102_13.0120.C12
Gene No.	5880	Strand	-
Start	24423	End	24804
Name	OJ991102_13.0120.C12.o2.tw	Method	TBLASTX:Wheat

Start	11039	End	11606
GI	none	Score	340
Exons	11039..11575, 11043..11606		

Seq. No.	2798	Seq. ID	OJ991102_13.0120.C12
Gene No.	5880	Strand	-
Start	24423	End	24804
Name	OJ991102_13.0120.C12.o2.tm	Method	TBLASTX:Maize
Start	11597	End	11960
GI	none	Score	162
Exons	11597..11959, 11606..11959, 11610..11960		

Seq. No.	2798	Seq. ID	OJ991102_13.0120.C12
Gene No.	5880	Strand	-
Start	24423	End	24804
Name	OJ991102_13.0120.C12.o3.tw	Method	TBLASTX:Wheat
Start	11609	End	12031
GI	none	Score	368
Exons	11609..12031, 11610..11999		

Seq. No.	2798	Seq. ID	OJ991102_13.0120.C12
Gene No.	5880	Strand	-
Start	24423	End	24804
Name	OJ991102_13.0120.C12.o3.ts	Method	TBLASTX:Soybean
Start	11780	End	12025
GI	none	Score	90
Exons	11780..12025, 11781..12008		

Seq. No.	2798	Seq. ID	OJ991102_13.0120.C12
Gene No.	5880	Strand	-
Start	24423	End	24804
Name	OJ991102_13.0120.C12.o3.tm	Method	TBLASTX:Maize
Start	11996	End	12496
GI	none	Score	50
Exons	11996..12310, 12039..12089, 12117..12245, 12317..12496, 12342..12488		

Seq. No.	2798	Seq. ID	OJ991102_13.0120.C12
Gene No.	5880	Strand	-
Start	24423	End	24804
Name	OJ991102_13.0120.C12.o5.tw	Method	TBLASTX:Wheat
Start	12032	End	12334
GI	none	Score	266
Exons	12032..12334, 12048..12332		

Seq. No.	2798	Seq. ID	OJ991102_13.0120.C12
Gene No.	5880	Strand	-
Start	24423	End	24804
Name	OJ991102_13.0120.C12.o1.ts	Method	TBLASTX:Soybean
Start	12047	End	12442
GI	none	Score	193
Exons	12047..12406, 12048..12338, 12204..12407, 12366..12404, 12410..12442, 12411..12440		

Seq. No.	2798	Seq. ID	OJ991102_13.0120.C12
Gene No.	5880	Strand	-
Start	24423	End	24804

Name	OJ991102_13.0120.C12.o4.tw	Method	TBLASTX:Wheat
Start	12383	End	12869
GI	none	Score	303
Exons	12383..12760, 12426..12869, 12815..12865		

Seq. No.	2798	Seq. ID	OJ991102_13.0120.C12
Gene No.	5880	Strand	-
Start	24423	End	24804
Name	OJ991102_13.0120.C12.o5.tm	Method	TBLASTX:Maize
Start	12564	End	12854
GI	none	Score	213
Exons	12564..12854, 12566..12853		

Seq. No.	2798	Seq. ID	OJ991102_13.0120.C12
Gene No.	5880	Strand	-
Start	24423	End	24804
Name	OJ991102_13.0120.C12.o8.tw	Method	TBLASTX:Wheat
Start	12980	End	13402
GI	none	Score	69
Exons	12980..13147, 13035..13148, 13193..13402, 13194..13346		

Seq. No.	2798	Seq. ID	OJ991102_13.0120.C12
Gene No.	5880	Strand	-
Start	24423	End	24804
Name	OJ991102_13.0120.C12.o8.tm	Method	TBLASTX:Maize
Start	13085	End	13438
GI	none	Score	189
Exons	13085..13438		

Seq. No.	2798	Seq. ID	OJ991102_13.0120.C12
Gene No.	5880	Strand	-
Start	24423	End	24804
Name	OJ991102_13.0120.C12.o7.tw	Method	TBLASTX:Wheat
Start	13721	End	14072
GI	none	Score	107
Exons	13721..14071, 13878..14072		

Seq. No.	2798	Seq. ID	OJ991102_13.0120.C12
Gene No.	5880	Strand	-
Start	24423	End	24804
Name	OJ991102_13.0120.C12.o6.tm	Method	TBLASTX:Maize
Start	13766	End	14071
GI	none	Score	85
Exons	13766..14071, 13941..14057		

Seq. No.	2798	Seq. ID	OJ991102_13.0120.C12
Gene No.	5880	Strand	-
Start	24423	End	24804
Name	OJ991102_13.0120.C12.o9.tw	Method	TBLASTX:Wheat
Start	14106	End	14448
GI	none	Score	122
Exons	14106..14303, 14108..14305, 14416..14448		

Seq. No.	2798	Seq. ID	OJ991102_13.0120.C12
Gene No.	5880	Strand	-
Start	24423	End	24804
Name	OJ991102_13.0120.C12.o8.gp	Method	AAT/GAP

Start	24423	End	24804
GI	uC-osflcyp033a04b1	Score	647
Exons	24423..24804		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	2799	Seq. ID	OJ991102_13.0120.C13
Gene No.	5881	Strand	+
Start	3821	End	11378
Name	OJ991102_13.0120.C13.o3.np	Method	AAT/NAP
Start	3821	End	8374
GI	6063554	Score	396
Exons	3821..3866, 6518..6665, 6784..7005, 7524..7551, 8200..8374		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2799	Seq. ID	OJ991102_13.0120.C13
Gene No.	5881	Strand	+
Start	3821	End	11378
Name	OJ991102_13.0120.C13.o3.gs	Method	GENSCAN
Start	8222	End	11280
GI	none	Score	.78
Exons	8222..8234, 8854..8886, 9133..9182, 9562..10249, 10349..10494, 11260..11280		

Seq. No.	2799	Seq. ID	OJ991102_13.0120.C13
Gene No.	5881	Strand	+
Start	3821	End	11378
Name	OJ991102_13.0120.C13.o4.np	Method	AAT/NAP
Start	9512	End	11378
GI	4680179	Score	762
Exons	9512..10616, 11354..11378		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2799	Seq. ID	OJ991102_13.0120.C13
Gene No.	5882	Strand	-
Start	134	End	5721
Name	OJ991102_13.0120.C13.o1.gs	Method	GENSCAN
Start	134	End	5706
GI	none	Score	.58
Exons	134..1110, 1171..4699, 4847..4890, 4947..5706		

Seq. No.	2799	Seq. ID	OJ991102_13.0120.C13
Gene No.	5882	Strand	-
Start	134	End	5721
Name	OJ991102_13.0120.C13.o1.np	Method	AAT/NAP
Start	137	End	4699
GI	4680179	Score	7783
Exons	137..4699		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2799	Seq. ID	OJ991102_13.0120.C13
Gene No.	5882	Strand	-
Start	134	End	5721
Name	OJ991102_13.0120.C13.o2.np	Method	AAT/NAP
Start	4954	End	5721

GI	5042448	Score	1077
Exons	4954..5721		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	2799	Seq. ID	OJ991102_13.0120.C13
Gene No.	5883	Strand	-
Start	6291	End	7175
Name	OJ991102_13.0120.C13.o2.gs	Method	GENSCAN
Start	6291	End	7175
GI	none	Score	.86
Exons	6291..7074, 7138..7175		

Seq. No.	2799	Seq. ID	OJ991102_13.0120.C13
Gene No.	5884	Strand	-
Start	8743	End	10257
Name	OJ991102_13.0120.C13.o6.tw	Method	TBLASTX:Wheat
Start	147	End	514
GI	none	Score	35
Exons	147..200, 182..514, 306..422, 407..487		

Seq. No.	2799	Seq. ID	OJ991102_13.0120.C13
Gene No.	5884	Strand	-
Start	8743	End	10257
Name	OJ991102_13.0120.C13.o7.tm	Method	TBLASTX:Maize
Start	161	End	358
GI	none	Score	197
Exons	161..358		

Seq. No.	2799	Seq. ID	OJ991102_13.0120.C13
Gene No.	5884	Strand	-
Start	8743	End	10257
Name	OJ991102_13.0120.C13.o1.tm	Method	TBLASTX:Maize
Start	362	End	961
GI	none	Score	258
Exons	362..802, 375..800, 800..961, 807..953		

Seq. No.	2799	Seq. ID	OJ991102_13.0120.C13
Gene No.	5884	Strand	-
Start	8743	End	10257
Name	OJ991102_13.0120.C13.o1.tw	Method	TBLASTX:Wheat
Start	515	End	1141
GI	none	Score	353
Exons	515..1141, 516..1139		

Seq. No.	2799	Seq. ID	OJ991102_13.0120.C13
Gene No.	5884	Strand	-
Start	8743	End	10257
Name	OJ991102_13.0120.C13.o4.tm	Method	TBLASTX:Maize
Start	1010	End	1301
GI	none	Score	219
Exons	1010..1300, 1014..1301		

Seq. No.	2799	Seq. ID	OJ991102_13.0120.C13
Gene No.	5884	Strand	-
Start	8743	End	10257
Name	OJ991102_13.0120.C13.o2.ts	Method	TBLASTX:Soybean

Start	1100	End	1360
GI	none	Score	154
Exons	1100..1360, 1101..1355		

Seq. No.	2799	Seq. ID	OJ991102_13.0120.C13
Gene No.	5884	Strand	-
Start	8743	End	10257
Name	OJ991102_13.0120.C13.o1.tc	Method	TBLASTX:Cress
Start	1124	End	1441
GI	none	Score	87
Exons	1124..1267, 1125..1265, 1268..1441		

Seq. No.	2799	Seq. ID	OJ991102_13.0120.C13
Gene No.	5884	Strand	-
Start	8743	End	10257
Name	OJ991102_13.0120.C13.o3.tw	Method	TBLASTX:Wheat
Start	1148	End	1627
GI	none	Score	304
Exons	1148..1627, 1149..1556, 1268..1594		

Seq. No.	2799	Seq. ID	OJ991102_13.0120.C13
Gene No.	5884	Strand	-
Start	8743	End	10257
Name	OJ991102_13.0120.C13.o2.tw	Method	TBLASTX:Wheat
Start	1631	End	2140
GI	none	Score	238
Exons	1631..2140, 1715..2062, 1797..2108		

Seq. No.	2799	Seq. ID	OJ991102_13.0120.C13
Gene No.	5884	Strand	-
Start	8743	End	10257
Name	OJ991102_13.0120.C13.o2.tm	Method	TBLASTX:Maize
Start	1703	End	2068
GI	none	Score	160
Exons	1703..2014, 1715..2068, 1800..2066		

Seq. No.	2799	Seq. ID	OJ991102_13.0120.C13
Gene No.	5884	Strand	-
Start	8743	End	10257
Name	OJ991102_13.0120.C13.o3.ts	Method	TBLASTX:Soybean
Start	1889	End	2134
GI	none	Score	202
Exons	1889..2134		

Seq. No.	2799	Seq. ID	OJ991102_13.0120.C13
Gene No.	5884	Strand	-
Start	8743	End	10257
Name	OJ991102_13.0120.C13.o3.tm	Method	TBLASTX:Maize
Start	2105	End	2605
GI	none	Score	43
Exons	2105..2440, 2148..2198, 2225..2353, 2426..2605		

Seq. No.	2799	Seq. ID	OJ991102_13.0120.C13
Gene No.	5884	Strand	-
Start	8743	End	10257
Name	OJ991102_13.0120.C13.o5.tw	Method	TBLASTX:Wheat
Start	2141	End	2443

GI	none	Score	229
Exons	2141..2443, 2142..2411, 2341..2442		

Seq. No.	2799	Seq. ID	OJ991102_13.0120.C13
Gene No.	5884	Strand	-
Start	8743	End	10257
Name	OJ991102_13.0120.C13.o1.ts	Method	TBLASTX:Soybean
Start	2156	End	2551
GI	none	Score	162
Exons	2156..2515, 2157..2411, 2471..2515, 2507..2551, 2519..2551		

Seq. No.	2799	Seq. ID	OJ991102_13.0120.C13
Gene No.	5884	Strand	-
Start	8743	End	10257
Name	OJ991102_13.0120.C13.o4.tw	Method	TBLASTX:Wheat
Start	2492	End	2974
GI	none	Score	160
Exons	2492..2974, 2501..2845, 2535..2870		

Seq. No.	2799	Seq. ID	OJ991102_13.0120.C13
Gene No.	5884	Strand	-
Start	8743	End	10257
Name	OJ991102_13.0120.C13.o4.ts	Method	TBLASTX:Soybean
Start	2624	End	2938
GI	none	Score	60
Exons	2624..2938, 2625..2822		

Seq. No.	2799	Seq. ID	OJ991102_13.0120.C13
Gene No.	5884	Strand	-
Start	8743	End	10257
Name	OJ991102_13.0120.C13.o5.tm	Method	TBLASTX:Maize
Start	2673	End	2962
GI	none	Score	165
Exons	2673..2864, 2675..2962		

Seq. No.	2799	Seq. ID	OJ991102_13.0120.C13
Gene No.	5884	Strand	-
Start	8743	End	10257
Name	OJ991102_13.0120.C13.o8.tw	Method	TBLASTX:Wheat
Start	3131	End	3553
GI	none	Score	109
Exons	3131..3322, 3138..3293, 3344..3553, 3405..3503		

Seq. No.	2799	Seq. ID	OJ991102_13.0120.C13
Gene No.	5884	Strand	-
Start	8743	End	10257
Name	OJ991102_13.0120.C13.o9.tw	Method	TBLASTX:Wheat
Start	3830	End	10257
GI	none	Score	87
Exons	3830..3925, 3896..4072, 3984..4073, 10080..10154, 10081..10257		

Seq. No.	2799	Seq. ID	OJ991102_13.0120.C13
Gene No.	5884	Strand	-
Start	8743	End	10257
Name	OJ991102_13.0120.C13.o6.tm	Method	TBLASTX:Maize
Start	3896	End	10257
GI	none	Score	103

Exons	3896..4192, 3938..4192, 4005..4175, 9961..10257, 9987..10148, 10189..10257		
Seq. No.	2799	Seq. ID	OJ991102_13.0120.C13
Gene No.	5884	Strand	-
Start	8743	End	10257
Name	OJ991102_13.0120.C13.o7.tw	Method	TBLASTX:Wheat
Start	4076	End	10080
GI	none	Score	93
Exons	4076..4432, 4080..4307, 4332..4406, 9724..10080, 9733..9897, 9931..10071, 9939..10079		
Seq. No.	2799	Seq. ID	OJ991102_13.0120.C13
Gene No.	5884	Strand	-
Start	8743	End	10257
Name	OJ991102_13.0120.C13.o2.gp	Method	AAT/GAP
Start	8743	End	9022
GI	61605_3.R1084	Score	343
Exons	8743..9022		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	2800	Seq. ID	OJ991102_13.0120.C14
Gene No.	5885	Strand	-
Start	108	End	1446
Name	OJ991102_13.0120.C14.o1.gs	Method	GENSCAN
Start	108	End	1446
GI	none	Score	.74
Exons	108..520, 561..1446		
Seq. No.	2800	Seq. ID	OJ991102_13.0120.C14
Gene No.	5885	Strand	-
Start	108	End	1446
Name	OJ991102_13.0120.C14.o1.np	Method	AAT/NAP
Start	188	End	503
GI	5852180	Score	159
Exons	188..503		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	2800	Seq. ID	OJ991102_13.0120.C14
Gene No.	5885	Strand	-
Start	108	End	1446
Name	OJ991102_13.0120.C14.o2.np	Method	AAT/NAP
Start	505	End	1380
GI	5042448	Score	1287
Exons	505..1380		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		
Seq. No.	2801	Seq. ID	OJ991012_11.0126.C1
Gene No.	5886	Strand	-
Start	110	End	258
Name	OJ991012_11.0126.C1.o1.gs	Method	GENSCAN
Start	110	End	258
GI	none	Score	.93
Exons	110..258		

Seq. No.	2802	Seq. ID	OJ991012_11.0126.C3
Gene No.	5887	Strand	+
Start	1	End	181
Name	OJ991012_11.0126.C3.o1.np	Method	AAT/NAP
Start	1	End	181
GI	2547078	Score	137
Exons	1..181		
GI Descrip.	(D89963) phosphate-binding protein [Enterobacter cloacae]		

Seq. No.	2802	Seq. ID	OJ991012_11.0126.C3
Gene No.	5888	Strand	+
Start	107	End	186
Name	OJ991012_11.0126.C3.o1.gs	Method	GENSCAN
Start	107	End	186
GI	none	Score	.82
Exons	107..186		

Seq. No.	2803	Seq. ID	OJ991012_11.0126.C4
Gene No.	5889	Strand	+
Start	223	End	654
Name	OJ991012_11.0126.C4.o1.gs	Method	GENSCAN
Start	223	End	654
GI	none	Score	.47
Exons	223..291, 382..654		

Seq. No.	2803	Seq. ID	OJ991012_11.0126.C4
Gene No.	5890	Strand	-
Start	1146	End	1307
Name	OJ991012_11.0126.C4.o1.gp	Method	AAT/GAP
Start	1034	End	1307
GI	94051_1.R1084	Score	503
Exons	1034..1307		
GI Descrip.	'1899175/gb|AAB49984.1| 1.0e-42 (U90262) calcium-dependent calmodulin-independent protein kinase CDPK [Cucurbita pepo]'		

Seq. No.	2803	Seq. ID	OJ991012_11.0126.C4
Gene No.	5890	Strand	-
Start	1146	End	1307
Name	OJ991012_11.0126.C4.o2.gs	Method	GENSCAN
Start	1146	End	1305
GI	none	Score	.93
Exons	1146..1305		

Seq. No.	2804	Seq. ID	OJ991012_11.0126.C5
Gene No.	5891	Strand	-
Start	171	End	335
Name	OJ991012_11.0126.C5.o1.gs	Method	GENSCAN
Start	171	End	335
GI	none	Score	.65
Exons	171..228, 253..335		

Seq. No.	2805	Seq. ID	OJ991012_11.0126.C6
Gene No.	5892	Strand	
Start	786	End	1311
Name	OJ991012_11.0126.C6.o1.tm	Method	TBLASTX:Maize
Start	786	End	1311
GI	none	Score	52

Exons	786..869, 789..869, 819..1112, 886..1104, 905..1189, 905..1111, 1107..1160, 1108..1212, 1151..1309, 1198..1311, 1214..1297		
Seq. No.	2806	Seq. ID	OJ991012_11.0126.C8
Gene No.	5893	Strand	-
Start	1	End	621
Name	OJ991012_11.0126.C8.o1.gp	Method	AAT/GAP
Start	1	End	416
GI	428224	Score	557
Exons	1..72, 166..416		
GI Descrip.	1899175/gb|AAB49984.1| 1.0e-42 (U90262) calcium-dependent calmodulin-independent protein kinase CDPK [Cucurbita pepo]		

Seq. No.	2806	Seq. ID	OJ991012_11.0126.C8
Gene No.	5893	Strand	-
Start	1	End	621
Name	OJ991012_11.0126.C8.o1.tw	Method	TBLASTX:Wheat
Start	1	End	393
GI	none	Score	82
Exons	1..72, 2..73, 157..387, 166..390, 243..389, 343..393		

Seq. No.	2806	Seq. ID	OJ991012_11.0126.C8
Gene No.	5893	Strand	-
Start	1	End	621
Name	OJ991012_11.0126.C8.o1.tm	Method	TBLASTX:Maize
Start	1	End	394
GI	none	Score	124
Exons	1..72, 2..73, 160..387, 165..392, 166..390, 167..394		

Seq. No.	2806	Seq. ID	OJ991012_11.0126.C8
Gene No.	5893	Strand	-
Start	1	End	621
Name	OJ991012_11.0126.C8.o1.np	Method	AAT/NAP
Start	1	End	621
GI	3320104	Score	331
Exons	1..72, 166..390, 586..621		
GI Descrip.	(AJ007366) calcium-dependent protein kinase [Zea mays]		

Seq. No.	2806	Seq. ID	OJ991012_11.0126.C8
Gene No.	5893	Strand	-
Start	1	End	621
Name	OJ991012_11.0126.C8.o1.tc	Method	TBLASTX:Cress
Start	11	End	390
GI	none	Score	79
Exons	11..73, 22..72, 157..390, 166..390, 343..387		

Seq. No.	2806	Seq. ID	OJ991012_11.0126.C8
Gene No.	5893	Strand	-
Start	1	End	621
Name	OJ991012_11.0126.C8.o1.ts	Method	TBLASTX:Soybean
Start	14	End	394
GI	none	Score	82
Exons	14..73, 16..72, 157..390, 165..392, 166..390, 185..394, 343..393		

Seq. No.	2806	Seq. ID	OJ991012_11.0126.C8
Gene No.	5893	Strand	-
Start	1	End	621

Name	OJ991012_11.0126.C8.o1.gs	Method	GENSCAN
Start	166	End	390
GI	none	Score	.52
Exons	166..390		

Seq. No.	2807	Seq. ID	OJ991012_11.0126.C9
Gene No.	5894	Strand	+
Start	8380	End	9540
Name	OJ991012_11.0126.C9.o2.gs	Method	GENSCAN
Start	8380	End	9540
GI	none	Score	.63
Exons	8380..8580, 8680..8828, 8961..9252, 9457..9540		

Seq. No.	2807	Seq. ID	OJ991012_11.0126.C9
Gene No.	5895	Strand	-
Start	1	End	4176
Name	OJ991012_11.0126.C9.o1.np	Method	AAT/NAP
Start	1	End	4176
GI	3320104	Score	1419
Exons	1..68, 327..501, 588..703, 775..927, 1036..1179, 1856..2501, 4141..4176		
GI Descrip.	(AJ007366) calcium-dependent protein kinase [Zea mays]		

Seq. No.	2807	Seq. ID	OJ991012_11.0126.C9
Gene No.	5896	Strand	-
Start	10356	End	11099
Name	OJ991012_11.0126.C9.o1.ts	Method	TBLASTX:Soybean
Start	327	End	2357
GI	none	Score	56
Exons	327..497, 328..507, 328..501, 333..509, 576..701, 577..702, 596..706, 773..940, 789..950, 1038..1166, 1038..1163, 1040..1180, 1843..2313, 1848..2357		

Seq. No.	2807	Seq. ID	OJ991012_11.0126.C9
Gene No.	5896	Strand	-
Start	10356	End	11099
Name	OJ991012_11.0126.C9.o1.tc	Method	TBLASTX:Cress
Start	328	End	2396
GI	none	Score	95
Exons	328..501, 328..501, 467..508, 576..701, 577..702, 596..706, 755..940, 773..940, 774..950, 1027..1164, 1038..1166, 1038..1169, 1040..1177, 1815..2270, 1834..1956, 1843..2313, 1848..2396		

Seq. No.	2807	Seq. ID	OJ991012_11.0126.C9
Gene No.	5896	Strand	-
Start	10356	End	11099
Name	OJ991012_11.0126.C9.o1.tm	Method	TBLASTX:Maize
Start	328	End	2175
GI	none	Score	85
Exons	328..507, 328..501, 333..506, 535..702, 569..706, 576..701, 770..931, 773..940, 774..950, 1038..1166, 1038..1169, 1040..1180, 1848..2039, 1855..2019, 2025..2042, 2037..2135, 2064..2123, 2122..2175, 2145..2174		

Seq. No.	2807	Seq. ID	OJ991012_11.0126.C9
Gene No.	5896	Strand	-

Start	10356	End	11099
Name	OJ991012_11.0126.C9.o3.tw	Method	TBLASTX:Wheat
Start	412	End	660
GI	none	Score	69
Exons	412..501, 529..660, 576..659		

Seq. No.	2807	Seq. ID	OJ991012_11.0126.C9
Gene No.	5896	Strand	-
Start	10356	End	11099
Name	OJ991012_11.0126.C9.o2.tw	Method	TBLASTX:Wheat
Start	754	End	1904
GI	none	Score	58
Exons	754..921, 767..940, 767..940, 777..950, 1036..1095, 1038..1181, 1040..1180, 1854..1904, 1855..1902		

Seq. No.	2807	Seq. ID	OJ991012_11.0126.C9
Gene No.	5896	Strand	-
Start	10356	End	11099
Name	OJ991012_11.0126.C9.o1.tw	Method	TBLASTX:Wheat
Start	1905	End	2188
GI	none	Score	281
Exons	1905..2174, 1906..2175, 1925..2188		

Seq. No.	2807	Seq. ID	OJ991012_11.0126.C9
Gene No.	5896	Strand	-
Start	10356	End	11099
Name	OJ991012_11.0126.C9.o2.tm	Method	TBLASTX:Maize
Start	2178	End	2357
GI	none	Score	103
Exons	2178..2357, 2184..2270, 2213..2320		

Seq. No.	2807	Seq. ID	OJ991012_11.0126.C9
Gene No.	5896	Strand	-
Start	10356	End	11099
Name	OJ991012_11.0126.C9.o3.gs	Method	GENSCAN
Start	10356	End	11099
GI	none	Score	.76
Exons	10356..10409, 10529..10597, 10941..11099		

Seq. No.	2808	Seq. ID	OJ991012_11.0126.C10
Gene No.	5897	Strand	+
Start	66	End	1508
Name	OJ991012_11.0126.C10.o1.gs	Method	GENSCAN
Start	66	End	1508
GI	none	Score	.6
Exons	66..310, 707..863, 1254..1508		

Seq. No.	2808	Seq. ID	OJ991012_11.0126.C10
Gene No.	5898	Strand	-
Start	3333	End	3498
Name	OJ991012_11.0126.C10.o2.gs	Method	GENSCAN
Start	3333	End	3498
GI	none	Score	.64
Exons	3333..3498		

Seq. No.	2809	Seq. ID	OJ991012_11.0126.C11
Gene No.	5899	Strand	+

Start	1320	End	3371
Name	OJ991012_11.0126.C11.o1.np	Method	AAT/NAP
Start	1320	End	3371
GI	4584539	Score	68
Exons	1320..1566, 3320..3371		
GI Descrip.	(AL049608) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	2809	Seq. ID	OJ991012_11.0126.C11
Gene No.	5900	Strand	-
Start	65	End	1744
Name	OJ991012_11.0126.C11.o1.gs	Method	GENSCAN
Start	65	End	1744
GI	none	Score	.67
Exons	65..118, 211..768, 1497..1616, 1673..1744		

Seq. No.	2810	Seq. ID	OJ991012_11.0126.C12
Gene No.	5901	Strand	+
Start	29	End	1039
Name	OJ991012_11.0126.C12.o1.gs	Method	GENSCAN
Start	29	End	1039
GI	none	Score	.88
Exons	29..772, 905..1039		

Seq. No.	2811	Seq. ID	OJ991012_11.0126.C13
Gene No.	5902	Strand	+
Start	429	End	499
Name	OJ991012_11.0126.C13.o1.gs	Method	GENSCAN
Start	429	End	499
GI	none	Score	.69
Exons	429..499		

Seq. No.	2811	Seq. ID	OJ991012_11.0126.C13
Gene No.	5903	Strand	-
Start	2858	End	3382
Name	OJ991012_11.0126.C13.o2.gs	Method	GENSCAN
Start	2858	End	3382
GI	none	Score	.97
Exons	2858..3382		

Seq. No.	2812	Seq. ID	OJ991012_11.0126.C15
Gene No.	5904	Strand	+
Start	1	End	4036
Name	OJ991012_11.0126.C15.o1.np	Method	AAT/NAP
Start	1	End	3553
GI	3859568	Score	442
Exons	1..169, 642..690, 2657..2732, 3485..3553		
GI Descrip.	(AF098752) unknown [Oryza sativa]		

Seq. No.	2812	Seq. ID	OJ991012_11.0126.C15
Gene No.	5904	Strand	+
Start	1	End	4036
Name	OJ991012_11.0126.C15.o1.gp	Method	AAT/GAP
Start	44	End	4036
GI	909_1.R1084	Score	1498
Exons	44..169, 642..690, 2657..2732, 3485..4036		
GI Descrip.	'3859568/gb|AAC72847.1| 4.0e-93 (AF098752) unknown [Oryza sativa]'		

Seq. No.	2812	Seq. ID	OJ991012_11.0126.C15
Gene No.	5904	Strand	+
Start	1	End	4036
Name	OJ991012_11.0126.C15.o1.gs	Method	GENSCAN
Start	642	End	3707
GI	none	Score	.84
Exons	642..690, 3520..3707		

Seq. No.	2812	Seq. ID	OJ991012_11.0126.C15
Gene No.	5905	Strand	-
Start	5413	End	5507
Name	OJ991012_11.0126.C15.o2.gp	Method	AAT/GAP
Start	5413	End	5507
GI	59410_1.R1084	Score	156
Exons	5413..5507		
GI Descrip.	'2499945/sp|Q42586|PYR5_ARATH 3.0e-51 URIDINE 5''-MONOPHOSPHATE SYNTHASE (UMP SYNTHASE) [INCLUDES: OROTATE PHOSPHORIBOSYLTRANSFERASE (OPRTASE); OROTIDINE 5''-PHOSPHATE DECARBOXYLASE (OMPDECASE)] >gi_1076363_pir__S46440 orotate phosphoribosyltransferase (EC 2.4.2.10) / orotidine-5''-phosphate decarboxylase (EC 4.1.1.23) - Arabidopsis thaliana >gi_443818_emb_CAA50686_ (X71842) pyrE-F [Ara'		

Seq. No.	2813	Seq. ID	OJ991012_11.0126.C18
Gene No.	5906	Strand	+
Start	49	End	604
Name	OJ991012_11.0126.C18.o1.gs	Method	GENSCAN
Start	49	End	604
GI	none	Score	.99
Exons	49..108, 191..604		

Seq. No.	2813	Seq. ID	OJ991012_11.0126.C18
Gene No.	5907	Strand	+
Start	1027	End	2324
Name	OJ991012_11.0126.C18.o2.gs	Method	GENSCAN
Start	1027	End	2324
GI	none	Score	.85
Exons	1027..1104, 1813..1944, 2133..2324		

Seq. No.	2813	Seq. ID	OJ991012_11.0126.C18
Gene No.	5908	Strand	+
Start	3719	End	3925
Name	OJ991012_11.0126.C18.o3.gs	Method	GENSCAN
Start	3719	End	3925
GI	none	Score	.99
Exons	3719..3925		

Seq. No.	2814	Seq. ID	OJ991012_11.0126.C19
Gene No.	5909	Strand	+
Start	1	End	1269
Name	OJ991012_11.0126.C19.o1.gp	Method	AAT/GAP
Start	1	End	324
GI	uC-osf1M202068c12b1	Score	612
Exons	1..324		
GI Descrip.	'4510383/gb|AAD21471.1| 4.0e-41 (AC007017) unknown protein		

[Arabidopsis thaliana]'

Seq. No.	2814	Seq. ID	OJ991012_11.0126.C19
Gene No.	5909	Strand	+
Start	1	End	1269
Name	OJ991012_11.0126.C19.o1.np	Method	AAT/NAP
Start	1	End	1269
GI	4510383	Score	1129
Exons	1..884, 1097..1269		
GI Descrip.	(AC007017) unknown protein [Arabidopsis thaliana]		

Seq. No.	2814	Seq. ID	OJ991012_11.0126.C19
Gene No.	5909	Strand	+
Start	1	End	1269
Name	OJ991012_11.0126.C19.o2.tm	Method	TBLASTX:Maize
Start	19	End	176
GI	none	Score	50
Exons	19..60, 43..174, 69..176, 71..175		

Seq. No.	2814	Seq. ID	OJ991012_11.0126.C19
Gene No.	5909	Strand	+
Start	1	End	1269
Name	OJ991012_11.0126.C19.o2.tw	Method	TBLASTX:Wheat
Start	19	End	222
GI	none	Score	49
Exons	19..63, 39..188, 69..221, 70..222		

Seq. No.	2814	Seq. ID	OJ991012_11.0126.C19
Gene No.	5909	Strand	+
Start	1	End	1269
Name	OJ991012_11.0126.C19.o2.tc	Method	TBLASTX:Cress
Start	55	End	266
GI	none	Score	250
Exons	55..258, 75..266		

Seq. No.	2814	Seq. ID	OJ991012_11.0126.C19
Gene No.	5909	Strand	+
Start	1	End	1269
Name	OJ991012_11.0126.C19.o1.ts	Method	TBLASTX:Soybean
Start	75	End	849
GI	none	Score	256
Exons	75..266, 76..258, 335..370, 351..419, 375..842, 376..849		

Seq. No.	2814	Seq. ID	OJ991012_11.0126.C19
Gene No.	5909	Strand	+
Start	1	End	1269
Name	OJ991012_11.0126.C19.o1.tm	Method	TBLASTX:Maize
Start	177	End	852
GI	none	Score	137
Exons	177..323, 178..258, 336..422, 375..842, 376..852		

Seq. No.	2814	Seq. ID	OJ991012_11.0126.C19
Gene No.	5909	Strand	+
Start	1	End	1269
Name	OJ991012_11.0126.C19.o1.tc	Method	TBLASTX:Cress
Start	397	End	852
GI	none	Score	685

Exons	397..852, 444..839		
Seq. No.	2814	Seq. ID	OJ991012_11.0126.C19
Gene No.	5909	Strand	+
Start	1	End	1269
Name	OJ991012_11.0126.C19.o1.tw	Method	TBLASTX:Wheat
Start	546	End	824
GI	none	Score	449
Exons	546..824, 547..822, 591..824		
Seq. No.	2814	Seq. ID	OJ991012_11.0126.C19
Gene No.	5909	Strand	+
Start	1	End	1269
Name	OJ991012_11.0126.C19.o2.gp	Method	AAT/GAP
Start	807	End	959
GI	94051_1.R1084	Score	257
Exons	807..959		
GI Descrip.	'1899175/gb|AAB49984.1| 1.0e-42 (U90262) calcium-dependent calmodulin-independent protein kinase CDPK [Cucurbita pepo]'		
Seq. No.	2815	Seq. ID	OJ991012_11.0126.C22
Gene No.	5910	Strand	+
Start	19	End	314
Name	OJ991012_11.0126.C22.o1.gs	Method	GENSCAN
Start	19	End	314
GI	none	Score	.54
Exons	19..155, 239..314		
Seq. No.	2816	Seq. ID	OJ991012_11.0126.C23
Gene No.	5911	Strand	+
Start	1933	End	2588
Name	OJ991012_11.0126.C23.o1.np	Method	AAT/NAP
Start	1933	End	2339
GI	6671934	Score	211
Exons	1933..2092, 2235..2339		
GI Descrip.	(AC016795) unknown protein [Arabidopsis thaliana]		
Seq. No.	2816	Seq. ID	OJ991012_11.0126.C23
Gene No.	5911	Strand	+
Start	1933	End	2588
Name	OJ991012_11.0126.C23.o1.gp	Method	AAT/GAP
Start	1935	End	2588
GI	none	Score	967
Exons	1935..2092, 2235..2588		
Seq. No.	2816	Seq. ID	OJ991012_11.0126.C23
Gene No.	5911	Strand	+
Start	1933	End	2588
Name	OJ991012_11.0126.C23.o1.gs	Method	GENSCAN
Start	1935	End	2342
GI	none	Score	1
Exons	1935..2092, 2235..2342		
Seq. No.	2816	Seq. ID	OJ991012_11.0126.C23
Gene No.	5912	Strand	+
Start	4086	End	4278
Name	OJ991012_11.0126.C23.o2.gp	Method	AAT/GAP

Start	4086	End	4278
GI	none	Score	312
Exons	4086..4278		

Seq. No.	2816	Seq. ID	OJ991012_11.0126.C23
Gene No.	5913	Strand	+
Start	4261	End	4732
Name	OJ991012_11.0126.C23.o2.np	Method	AAT/NAP
Start	4261	End	4732
GI	4115916	Score	324
Exons	4261..4732		
GI Descrip.	(AF118222) F3H7.9 gene product [Arabidopsis thaliana] gi|4539441|emb|CAB40029.1| (AL049523) putative protein [Arabidopsis thaliana]		

Seq. No.	2816	Seq. ID	OJ991012_11.0126.C23
Gene No.	5914	Strand	+
Start	4697	End	4987
Name	OJ991012_11.0126.C23.o1.tm	Method	TBLASTX:Maize
Start	1928	End	2500
GI	none	Score	243
Exons	1928..2098, 1933..2091, 2223..2318, 2234..2335, 2235..2336, 2462..2500, 2463..2489		

Seq. No.	2816	Seq. ID	OJ991012_11.0126.C23
Gene No.	5914	Strand	+
Start	4697	End	4987
Name	OJ991012_11.0126.C23.o1.tw	Method	TBLASTX:Wheat
Start	1928	End	2288
GI	none	Score	198
Exons	1928..2098, 1933..2091, 1943..2092, 2235..2288		

Seq. No.	2816	Seq. ID	OJ991012_11.0126.C23
Gene No.	5914	Strand	+
Start	4697	End	4987
Name	OJ991012_11.0126.C23.o1.ts	Method	TBLASTX:Soybean
Start	4252	End	4660
GI	none	Score	146
Exons	4252..4404, 4253..4432, 4457..4543, 4592..4660		

Seq. No.	2816	Seq. ID	OJ991012_11.0126.C23
Gene No.	5914	Strand	+
Start	4697	End	4987
Name	OJ991012_11.0126.C23.o3.gp	Method	AAT/GAP
Start	4697	End	4987
GI	3762721	Score	531
Exons	4697..4987		

Seq. No.	2817	Seq. ID	OJ991012_11.0126.C24
Gene No.	5915	Strand	+
Start	1	End	717
Name	OJ991012_11.0126.C24.o1.np	Method	AAT/NAP
Start	1	End	717
GI	6910582	Score	550
Exons	1..258, 354..717		
GI Descrip.	(AC006424) CDS [Arabidopsis thaliana]		

Seq. No.	2817	Seq. ID	OJ991012_11.0126.C24
Gene No.	5915	Strand	+
Start	1	End	717
Name	OJ991012_11.0126.C24.o1.tm	Method	TBLASTX:Maize
Start	16	End	536
GI	none	Score	363
Exons	16..249, 26..256, 27..257, 30..257, 351..536, 351..533, 353..535		

Seq. No.	2817	Seq. ID	OJ991012_11.0126.C24
Gene No.	5915	Strand	+
Start	1	End	717
Name	OJ991012_11.0126.C24.o1.ts	Method	TBLASTX:Soybean
Start	16	End	476
GI	none	Score	329
Exons	16..258, 25..249, 39..257, 353..475, 354..476		

Seq. No.	2817	Seq. ID	OJ991012_11.0126.C24
Gene No.	5915	Strand	+
Start	1	End	717
Name	OJ991012_11.0126.C24.o1.gs	Method	GENSCAN
Start	58	End	611
GI	none	Score	.98
Exons	58..258, 354..611		

Seq. No.	2818	Seq. ID	OJ991012_11.0126.C25
Gene No.	5916	Strand	+
Start	192	End	1219
Name	OJ991012_11.0126.C25.o1.gs	Method	GENSCAN
Start	192	End	1219
GI	none	Score	.62
Exons	192..320, 766..872, 1076..1219		

Seq. No.	2818	Seq. ID	OJ991012_11.0126.C25
Gene No.	5917	Strand	-
Start	786	End	913
Name	OJ991012_11.0126.C25.o1.gp	Method	AAT/GAP
Start	786	End	913
GI	none	Score	219
Exons	786..913		

Seq. No.	2819	Seq. ID	OJ991012_11.0126.C26
Gene No.	5918	Strand	+
Start	3	End	1836
Name	OJ991012_11.0126.C26.o1.tc	Method	TBLASTX:Cress
Start	2	End	1102
GI	none	Score	68
Exons	2..70, 3..62, 877..957, 878..1102		

Seq. No.	2819	Seq. ID	OJ991012_11.0126.C26
Gene No.	5918	Strand	+
Start	3	End	1836
Name	OJ991012_11.0126.C26.o1.ts	Method	TBLASTX:Soybean
Start	2	End	1069
GI	none	Score	71
Exons	2..70, 3..62, 877..963, 878..1069, 908..1012		

Seq. No.	2819	Seq. ID	OJ991012_11.0126.C26

Gene No.	5918	Strand	+
Start	3	End	1836
Name	OJ991012_11.0126.C26.o1.gs	Method	GENSCAN
Start	3	End	1836
GI	none	Score	.55
Exons	3..47, 872..1102, 1751..1836		

Seq. No.	2819	Seq. ID	OJ991012_11.0126.C26
Gene No.	5918	Strand	+
Start	3	End	1836
Name	OJ991012_11.0126.C26.o1.tm	Method	TBLASTX:Maize
Start	3	End	1807
GI	none	Score	66
Exons	3..62, 3..47, 11..70, 869..1015, 870..1103, 878..1102, 904..1116, 1742..1807		

Seq. No.	2820	Seq. ID	OJ991012_11.0126.C27
Gene No.	5919	Strand	+
Start	5009	End	7141
Name	OJ991012_11.0126.C27.o2.gs	Method	GENSCAN
Start	5009	End	7141
GI	none	Score	.49
Exons	5009..5518, 6601..6683, 6784..6937, 7025..7141		

Seq. No.	2820	Seq. ID	OJ991012_11.0126.C27
Gene No.	5920	Strand	-
Start	2735	End	4377
Name	OJ991012_11.0126.C27.o1.gs	Method	GENSCAN
Start	2735	End	4377
GI	none	Score	.56
Exons	2735..3714, 3894..3950, 4016..4055, 4195..4377		

Seq. No.	2820	Seq. ID	OJ991012_11.0126.C27
Gene No.	5921	Strand	-
Start	7695	End	10153
Name	OJ991012_11.0126.C27.o3.tm	Method	TBLASTX:Maize
Start	4994	End	5244
GI	none	Score	210
Exons	4994..5125, 4997..5122, 5137..5232, 5138..5242, 5138..5242, 5161..5244		

Seq. No.	2820	Seq. ID	OJ991012_11.0126.C27
Gene No.	5921	Strand	-
Start	7695	End	10153
Name	OJ991012_11.0126.C27.o4.tm	Method	TBLASTX:Maize
Start	5266	End	5572
GI	none	Score	131
Exons	5266..5373, 5267..5374, 5312..5572, 5368..5562		

Seq. No.	2820	Seq. ID	OJ991012_11.0126.C27
Gene No.	5921	Strand	-
Start	7695	End	10153
Name	OJ991012_11.0126.C27.o2.tm	Method	TBLASTX:Maize
Start	6549	End	7143
GI	none	Score	62
Exons	6549..6665, 6575..6673, 6579..6680, 6580..6681, 6763..6954, 6773..6937, 6811..6939, 7024..7116, 7025..7135, 7099..7143		

Seq. No.	2820	Seq. ID	OJ991012_11.0126.C27
Gene No.	5921	Strand	-
Start	7695	End	10153
Name	OJ991012_11.0126.C27.o1.gp	Method	AAT/GAP
Start	7695	End	10153
GI	none	Score	1620
Exons	7695..8039, 8612..8815, 8933..9022, 9939..10153		

Seq. No.	2820	Seq. ID	OJ991012_11.0126.C27
Gene No.	5921	Strand	-
Start	7695	End	10153
Name	OJ991012_11.0126.C27.o1.ts	Method	TBLASTX:Soybean
Start	7951	End	9027
GI	none	Score	64
Exons	7951..8037, 7954..8043, 7955..8053, 8608..8817, 8610..8819, 8931..9023, 8940..9023, 8959..9027		

Seq. No.	2820	Seq. ID	OJ991012_11.0126.C27
Gene No.	5921	Strand	-
Start	7695	End	10153
Name	OJ991012_11.0126.C27.o3.gs	Method	GENSCAN
Start	8491	End	10122
GI	none	Score	.8
Exons	8491..8510, 8612..8815, 8933..9022, 9939..10069, 10112..10122		

Seq. No.	2820	Seq. ID	OJ991012_11.0126.C27
Gene No.	5921	Strand	-
Start	7695	End	10153
Name	OJ991012_11.0126.C27.o1.tm	Method	TBLASTX:Maize
Start	8608	End	9024
GI	none	Score	227
Exons	8608..8820, 8610..8819, 8923..9024, 8931..9023		

Seq. No.	2820	Seq. ID	OJ991012_11.0126.C27
Gene No.	5921	Strand	-
Start	7695	End	10153
Name	OJ991012_11.0126.C27.o1.tc	Method	TBLASTX:Cress
Start	8676	End	9032
GI	none	Score	53
Exons	8676..8717, 8677..8706, 8718..8756, 8718..8753, 8754..8819, 8758..8817, 8931..9014, 8940..9032		

Seq. No.	2821	Seq. ID	OJ991012_11.0126.C28
Gene No.	5922	Strand	-
Start	1	End	628
Name	OJ991012_11.0126.C28.o1.np	Method	AAT/NAP
Start	1	End	628
GI	2583130	Score	262
Exons	1..628		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	2822	Seq. ID	OJ991012_11.0126.C29
Gene No.	5923	Strand	-
Start	87	End	395
Name	OJ991012_11.0126.C29.o1.gs	Method	GENSCAN

Start	87	End	395
GI	none	Score	.59
Exons	87..395		

Seq. No.	2823	Seq. ID	OJ991012_11.0126.C31
Gene No.	5924	Strand	+
Start	2797	End	3807
Name	OJ991012_11.0126.C31.o1.gs	Method	GENSCAN
Start	2797	End	3804
GI	none	Score	1
Exons	2797..3804		

Seq. No.	2823	Seq. ID	OJ991012_11.0126.C31
Gene No.	5924	Strand	+
Start	2797	End	3807
Name	OJ991012_11.0126.C31.o1.np	Method	AAT/NAP
Start	2815	End	3807
GI	5487873	Score	511
Exons	2815..3807		
GI Descrip.	(AF110333) PrMC3 [Pinus radiata]		

Seq. No.	2823	Seq. ID	OJ991012_11.0126.C31
Gene No.	5925	Strand	+
Start	5797	End	6145
Name	OJ991012_11.0126.C31.o1.tm	Method	TBLASTX:Maize
Start	2820	End	6144
GI	none	Score	130
Exons	2820..2936, 2821..2937, 2830..2940, 2931..3101, 2935..3165, 3025..3144, 3163..3228, 5793..5891, 5794..5895, 5946..6143, 5947..6144		

Seq. No.	2823	Seq. ID	OJ991012_11.0126.C31
Gene No.	5925	Strand	+
Start	5797	End	6145
Name	OJ991012_11.0126.C31.o1.tw	Method	TBLASTX:Wheat
Start	2821	End	6144
GI	none	Score	403
Exons	2821..3216, 2823..2897, 2830..2952, 2943..3101, 3031..3144, 5758..5892, 5820..5891, 5946..6143, 5947..6144		

Seq. No.	2823	Seq. ID	OJ991012_11.0126.C31
Gene No.	5925	Strand	+
Start	5797	End	6145
Name	OJ991012_11.0126.C31.o1.ts	Method	TBLASTX:Soybean
Start	2827	End	6141
GI	none	Score	87
Exons	2827..2892, 2935..3006, 3031..3234, 3274..3426, 3285..3428, 3481..3771, 3513..3578, 3699..3770, 5830..5895, 5932..6009, 6025..6141, 6033..6140		

Seq. No.	2823	Seq. ID	OJ991012_11.0126.C31
Gene No.	5925	Strand	+
Start	5797	End	6145
Name	OJ991012_11.0126.C31.o2.tc	Method	TBLASTX:Cress
Start	3097	End	3426
GI	none	Score	130
Exons	3097..3228, 3274..3426		

Seq. No.	2823	Seq. ID	OJ991012_11.0126.C31
Gene No.	5925	Strand	+
Start	5797	End	6145
Name	OJ991012_11.0126.C31.o1.tc	Method	TBLASTX:Cress
Start	3481	End	3795
GI	none	Score	188
Exons	3481..3684, 3682..3795		

Seq. No.	2823	Seq. ID	OJ991012_11.0126.C31
Gene No.	5925	Strand	+
Start	5797	End	6145
Name	OJ991012_11.0126.C31.o2.tm	Method	TBLASTX:Maize
Start	3529	End	3771
GI	none	Score	256
Exons	3529..3771, 3534..3584, 3681..3767		

Seq. No.	2823	Seq. ID	OJ991012_11.0126.C31
Gene No.	5925	Strand	+
Start	5797	End	6145
Name	OJ991012_11.0126.C31.o2.gs	Method	GENSCAN
Start	5797	End	6110
GI	none	Score	.99
Exons	5797..6110		

Seq. No.	2823	Seq. ID	OJ991012_11.0126.C31
Gene No.	5925	Strand	+
Start	5797	End	6145
Name	OJ991012_11.0126.C31.o2.np	Method	AAT/NAP
Start	5818	End	6145
GI	4190952	Score	94
Exons	5818..6145		
GI Descrip.	(AB022689) similar to hsr203J [Lycopersicon esculentum]		

Seq. No.	2824	Seq. ID	OJ991012_11.0126.C32
Gene No.	5926	Strand	+
Start	1	End	93
Name	OJ991012_11.0126.C32.o1.gp	Method	AAT/GAP
Start	1	End	93
GI	uC-osflm202113f08b1	Score	174
Exons	1..93		
GI Descrip.	'542058/pir||S42807 1.0e-31 HSR203J protein - common tobacco >gi_444002_emb_CAA54393_ (X77136) HSR203J [Nicotiana tabacum]'		

Seq. No.	2824	Seq. ID	OJ991012_11.0126.C32
Gene No.	5927	Strand	+
Start	50	End	3153
Name	OJ991012_11.0126.C32.o1.gs	Method	GENSCAN
Start	50	End	3153
GI	none	Score	.58
Exons	50..214, 2773..2995, 3007..3153		

Seq. No.	2824	Seq. ID	OJ991012_11.0126.C32
Gene No.	5928	Strand	+
Start	8678	End	9661
Name	OJ991012_11.0126.C32.o4.gs	Method	GENSCAN
Start	8678	End	9661

GI	none	Score	1
Exons	8678..9661		

Seq. No.	2824	Seq. ID	OJ991012_11.0126.C32
Gene No.	5928	Strand	+
Start	8678	End	9661
Name	OJ991012_11.0126.C32.o1.np	Method	AAT/NAP
Start	8684	End	9652
GI	5487873	Score	464
Exons	8684..9652		
GI Descrip.	(AF110333) PrMC3 [Pinus radiata]		

Seq. No.	2824	Seq. ID	OJ991012_11.0126.C32
Gene No.	5929	Strand	-
Start	2107	End	2859
Name	OJ991012_11.0126.C32.o2.gp	Method	AAT/GAP
Start	2107	End	2859
GI	none	Score	1320
Exons	2107..2859		

Seq. No.	2824	Seq. ID	OJ991012_11.0126.C32
Gene No.	5930	Strand	-
Start	5414	End	5629
Name	OJ991012_11.0126.C32.o2.gs	Method	GENSCAN
Start	5414	End	5629
GI	none	Score	.64
Exons	5414..5420, 5550..5629		

Seq. No.	2824	Seq. ID	OJ991012_11.0126.C32
Gene No.	5931	Strand	-
Start	7186	End	7916
Name	OJ991012_11.0126.C32.o3.gs	Method	GENSCAN
Start	7186	End	7916
GI	none	Score	.78
Exons	7186..7634, 7701..7798, 7809..7884, 7904..7916		

Seq. No.	2824	Seq. ID	OJ991012_11.0126.C32
Gene No.	5932	Strand	-
Start	12994	End	14365
Name	OJ991012_11.0126.C32.o1.ts	Method	TBLASTX:Soybean
Start	15	End	9642
GI	none	Score	102
Exons	15..179, 8695..8781, 8696..8782, 8884..9018, 8885..9097, 8978..9091, 9101..9211, 9139..9210, 9194..9244, 9311..9520, 9518..9616, 9520..9642		

Seq. No.	2824	Seq. ID	OJ991012_11.0126.C32
Gene No.	5932	Strand	-
Start	12994	End	14365
Name	OJ991012_11.0126.C32.o2.tc	Method	TBLASTX:Cress
Start	15	End	9637
GI	none	Score	63
Exons	15..92, 9317..9637		

Seq. No.	2824	Seq. ID	OJ991012_11.0126.C32
Gene No.	5932	Strand	-
Start	12994	End	14365

Name	OJ991012_11.0126.C32.o1.tw	Method	TBLASTX:Wheat
Start	8660	End	9085
GI	none	Score	86
Exons	8660..8758, 8677..8766, 8789..8932, 8809..8859, 8900..9085, 8902..9018, 8969..9055		

Seq. No.	2824	Seq. ID	OJ991012_11.0126.C32
Gene No.	5932	Strand	-
Start	12994	End	14365
Name	OJ991012_11.0126.C32.o1.tc	Method	TBLASTX:Cress
Start	8809	End	9229
GI	none	Score	173
Exons	8809..8976, 8819..9046, 9104..9229		

Seq. No.	2824	Seq. ID	OJ991012_11.0126.C32
Gene No.	5932	Strand	-
Start	12994	End	14365
Name	OJ991012_11.0126.C32.o1.tm	Method	TBLASTX:Maize
Start	8942	End	9343
GI	none	Score	259
Exons	8942..9109, 8975..9097, 9101..9298, 9139..9312, 9152..9331, 9296..9343, 9296..9343		

Seq. No.	2824	Seq. ID	OJ991012_11.0126.C32
Gene No.	5932	Strand	-
Start	12994	End	14365
Name	OJ991012_11.0126.C32.o4.gp	Method	AAT/GAP
Start	12825	End	13948
GI	none	Score	1316
Exons	12825..13398, 13701..13775, 13897..13948		

Seq. No.	2824	Seq. ID	OJ991012_11.0126.C32
Gene No.	5932	Strand	-
Start	12994	End	14365
Name	OJ991012_11.0126.C32.o6.gs	Method	GENSCAN
Start	12994	End	14347
GI	none	Score	.95
Exons	12994..13398, 13701..13775, 13897..14004, 14081..14173, 14264..14347		

Seq. No.	2824	Seq. ID	OJ991012_11.0126.C32
Gene No.	5932	Strand	-
Start	12994	End	14365
Name	OJ991012_11.0126.C32.o2.np	Method	AAT/NAP
Start	12997	End	14365
GI	4559353	Score	430
Exons	12997..13413, 13701..13775, 13897..14004, 14081..14173, 14264..14365		
GI Descrip.	(AC006585) similar to extragenic suppressor of bimD6 mutation {Emericella nidulans} [Arabidopsis thaliana]		

Seq. No.	2824	Seq. ID	OJ991012_11.0126.C32
Gene No.	5932	Strand	-
Start	12994	End	14365
Name	OJ991012_11.0126.C32.o2.tm	Method	TBLASTX:Maize
Start	14105	End	14353
GI	none	Score	94

Exons	14105..14188, 14106..14189, 14112..14189, 14113..14190, 14259..14345, 14263..14352, 14264..14353		
Seq. No.	2825	Seq. ID	OJ991012_11.0126.C33
Gene No.	5933	Strand	+
Start	5212	End	8046
Name	OJ991012_11.0126.C33.o2.gs	Method	GENSCAN
Start	5212	End	8046
GI	none	Score	.87
Exons	5212..6015, 7763..7790, 7922..8046		
Seq. No.	2825	Seq. ID	OJ991012_11.0126.C33
Gene No.	5934	Strand	+
Start	9032	End	10716
Name	OJ991012_11.0126.C33.o3.gs	Method	GENSCAN
Start	9032	End	10716
GI	none	Score	.93
Exons	9032..9376, 10228..10716		
Seq. No.	2825	Seq. ID	OJ991012_11.0126.C33
Gene No.	5934	Strand	+
Start	9032	End	10716
Name	OJ991012_11.0126.C33.o3.gp	Method	AAT/GAP
Start	9037	End	10327
GI	44523_1.R1084	Score	852
Exons	9037..9376, 10228..10327		
GI Descrip.	'3850579 3.0e-14 (AC005278) Strong similarity to gb_D14550 extracellular dermal glycoprotein (EDGP) precursor from Daucus carota. ESTs gb_H37281, gb_T44167, gb_T21813, gb_N38437, gb_Z26470, gb_R65072, gb_N76373, gb_F15470, gb_Z35182, gb_H76373, gb_Z34678 an'		
Seq. No.	2825	Seq. ID	OJ991012_11.0126.C33
Gene No.	5935	Strand	-
Start	1	End	5349
Name	OJ991012_11.0126.C33.o1.np	Method	AAT/NAP
Start	1	End	5349
GI	4559353	Score	643
Exons	1..174, 340..419, 601..693, 1385..1513, 1929..2198, 5302..5349		
GI Descrip.	(AC006585) similar to extragenic suppressor of bimD6 mutation {Emericella nidulans} [Arabidopsis thaliana]		
Seq. No.	2825	Seq. ID	OJ991012_11.0126.C33
Gene No.	5935	Strand	-
Start	1	End	5349
Name	OJ991012_11.0126.C33.o1.gp	Method	AAT/GAP
Start	61	End	2061
GI	33802_1.R1084	Score	961
Exons	61..174, 340..419, 601..693, 1385..1513, 1929..2061		
GI Descrip.	'5922630/dbj|BAA84631.1| 8.0e-10 (AP000492) EST C98748(E3038) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] >gi_6016863_dbj_BAA85206.1_ (AP000570) EST C98748(E3038) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]'		
Seq. No.	2825	Seq. ID	OJ991012_11.0126.C33
Gene No.	5935	Strand	-

Start	1	End	5349
Name	OJ991012_11.0126.C33.o1.gs	Method	GENSCAN
Start	61	End	2306
GI	none	Score	.98
Exons	61..174, 340..419, 1385..1513, 1929..2306		

Seq. No.	2825	Seq. ID	OJ991012_11.0126.C33
Gene No.	5935	Strand	-
Start	1	End	5349
Name	OJ991012_11.0126.C33.o2.gp	Method	AAT/GAP
Start	4535	End	4979
GI	3761500	Score	756
Exons	4535..4979		
GI Descrip.	5922630/dbj|BAA84631.1| 8.0e-10 (AP000492) EST C98748(E3038) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] >gi_6016863_dbj_BAA85206.1_ (AP000570) EST C98748(E3038) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2825	Seq. ID	OJ991012_11.0126.C33
Gene No.	5936	Strand	-
Start	13205	End	13738
Name	OJ991012_11.0126.C33.o2.ts	Method	TBLASTX:Soybean
Start	60	End	655
GI	none	Score	128
Exons	60..176, 67..198, 333..419, 339..422, 340..420, 601..654, 602..655		

Seq. No.	2825	Seq. ID	OJ991012_11.0126.C33
Gene No.	5936	Strand	-
Start	13205	End	13738
Name	OJ991012_11.0126.C33.o2.tm	Method	TBLASTX:Maize
Start	61	End	1508
GI	none	Score	165
Exons	61..174, 63..173, 63..176, 64..198, 333..452, 339..422, 341..442, 591..695, 601..696, 602..697, 1385..1507, 1386..1508		

Seq. No.	2825	Seq. ID	OJ991012_11.0126.C33
Gene No.	5936	Strand	-
Start	13205	End	13738
Name	OJ991012_11.0126.C33.o3.ts	Method	TBLASTX:Soybean
Start	1385	End	1519
GI	none	Score	159
Exons	1385..1519, 1386..1514		

Seq. No.	2825	Seq. ID	OJ991012_11.0126.C33
Gene No.	5936	Strand	-
Start	13205	End	13738
Name	OJ991012_11.0126.C33.o1.tc	Method	TBLASTX:Cress
Start	10228	End	10734
GI	none	Score	217
Exons	10228..10458, 10471..10734, 10482..10703		

Seq. No.	2825	Seq. ID	OJ991012_11.0126.C33
Gene No.	5936	Strand	-
Start	13205	End	13738
Name	OJ991012_11.0126.C33.o1.ts	Method	TBLASTX:Soybean

Start	10345	End	10719
GI	none	Score	137
Exons	10345..10446, 10395..10436, 10465..10719, 10482..10703		

Seq. No.	2825	Seq. ID	OJ991012_11.0126.C33
Gene No.	5936	Strand	-
Start	13205	End	13738
Name	OJ991012_11.0126.C33.o1.tm	Method	TBLASTX:Maize
Start	10491	End	10719
GI	none	Score	233
Exons	10491..10703, 10492..10719		

Seq. No.	2825	Seq. ID	OJ991012_11.0126.C33
Gene No.	5936	Strand	-
Start	13205	End	13738
Name	OJ991012_11.0126.C33.o4.gs	Method	GENSCAN
Start	13205	End	13738
GI	none	Score	.97
Exons	13205..13738		

Seq. No.	2826	Seq. ID	OJ991012_11.0126.C34
Gene No.	5937	Strand	+
Start	672	End	1697
Name	OJ991012_11.0126.C34.o1.gs	Method	GENSCAN
Start	672	End	1325
GI	none	Score	.41
Exons	672..1325		

Seq. No.	2826	Seq. ID	OJ991012_11.0126.C34
Gene No.	5937	Strand	+
Start	672	End	1697
Name	OJ991012_11.0126.C34.o1.np	Method	AAT/NAP
Start	672	End	1697
GI	4680203	Score	1105
Exons	672..1697		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	2826	Seq. ID	OJ991012_11.0126.C34
Gene No.	5937	Strand	+
Start	672	End	1697
Name	OJ991012_11.0126.C34.o1.tw	Method	TBLASTX:Wheat
Start	978	End	1374
GI	none	Score	93
Exons	978..1130, 997..1116, 1113..1364, 1121..1363, 1124..1366, 1132..1374		

Seq. No.	2826	Seq. ID	OJ991012_11.0126.C34
Gene No.	5937	Strand	+
Start	672	End	1697
Name	OJ991012_11.0126.C34.o1.ts	Method	TBLASTX:Soybean
Start	1146	End	1436
GI	none	Score	216
Exons	1146..1364, 1154..1360, 1371..1436		

Seq. No.	2827	Seq. ID	OJ991012_11.0126.C35
Gene No.	5938	Strand	+
Start	1524	End	10508

Name	OJ991012_11.0126.C35.o1.gs	Method	GENSCAN
Start	1524	End	10236
GI	none	Score	.81
Exons	1524..1658, 1664..1807, 2095..2356, 2475..2527, 2556..2686, 2839..2928, 3006..3075, 3191..3471, 3592..3736, 4408..5058, 6647..6781, 6822..6917, 8457..8502, 8646..8790, 8842..9201, 9595..10236		

Seq. No.	2827	Seq. ID	OJ991012_11.0126.C35
Gene No.	5938	Strand	+
Start	1524	End	10508
Name	OJ991012_11.0126.C35.o2.np	Method	AAT/NAP
Start	8671	End	10221
GI	4455246	Score	800
Exons	8671..8790, 8869..8995, 9026..9154, 9602..10221		
GI Descrip.	(AL035523) putative protein [Arabidopsis thaliana]		

Seq. No.	2827	Seq. ID	OJ991012_11.0126.C35
Gene No.	5938	Strand	+
Start	1524	End	10508
Name	OJ991012_11.0126.C35.o1.gp	Method	AAT/GAP
Start	8935	End	10508
GI	5564_1.R1084	Score	1987
Exons	8935..9201, 9595..10508		
GI Descrip.	'4455246/emb|CAB36745.1| 4.0e-85 (AL035523) putative protein [Arabidopsis thaliana]'		

Seq. No.	2827	Seq. ID	OJ991012_11.0126.C35
Gene No.	5939	Strand	+
Start	10765	End	11627
Name	OJ991012_11.0126.C35.o2.gs	Method	GENSCAN
Start	10765	End	11627
GI	none	Score	.51
Exons	10765..11024, 11128..11160, 11435..11627		

Seq. No.	2827	Seq. ID	OJ991012_11.0126.C35
Gene No.	5940	Strand	-
Start	4443	End	6814
Name	OJ991012_11.0126.C35.o1.np	Method	AAT/NAP
Start	4443	End	6814
GI	4510378	Score	352
Exons	4443..4944, 6765..6814		
GI Descrip.	(AC007017) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	2827	Seq. ID	OJ991012_11.0126.C35
Gene No.	5941	Strand	-
Start	12896	End	13187
Name	OJ991012_11.0126.C35.o3.np	Method	AAT/NAP
Start	12896	End	13187
GI	4510378	Score	178
Exons	12896..13187		
GI Descrip.	(AC007017) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	2827	Seq. ID	OJ991012_11.0126.C35
Gene No.	5942	Strand	-

Start	17268	End	19132
Name	OJ991012_11.0126.C35.o3.ts	Method	TBLASTX:Soybean
Start	2612	End	3474
GI	none	Score	73
Exons	2612..2659, 2617..2688, 2826..2930, 2827..2931, 3186..3266, 3187..3282, 3283..3474, 3330..3413		

Seq. No.	2827	Seq. ID	OJ991012_11.0126.C35
Gene No.	5942	Strand	-
Start	17268	End	19132
Name	OJ991012_11.0126.C35.o1.tm	Method	TBLASTX:Maize
Start	8647	End	10077
GI	none	Score	99
Exons	8647..8775, 8718..8774, 8869..8970, 8874..8978, 8934..8981, 9022..9084, 9036..9095, 9045..9098, 9607..9783, 9621..9755, 9784..10077, 9789..10076		

Seq. No.	2827	Seq. ID	OJ991012_11.0126.C35
Gene No.	5942	Strand	-
Start	17268	End	19132
Name	OJ991012_11.0126.C35.o1.tc	Method	TBLASTX:Cress
Start	8716	End	10103
GI	none	Score	73
Exons	8716..8775, 8720..8746, 8724..8774, 8869..8973, 8873..8968, 8880..8972, 9004..9084, 9031..9078, 9033..9092, 9595..10080, 9603..10103		

Seq. No.	2827	Seq. ID	OJ991012_11.0126.C35
Gene No.	5942	Strand	-
Start	17268	End	19132
Name	OJ991012_11.0126.C35.o2.ts	Method	TBLASTX:Soybean
Start	8718	End	9681
GI	none	Score	78
Exons	8718..8780, 8722..8781, 8877..8978, 8878..9009, 9028..9084, 9039..9089, 9123..9200, 9616..9681		

Seq. No.	2827	Seq. ID	OJ991012_11.0126.C35
Gene No.	5942	Strand	-
Start	17268	End	19132
Name	OJ991012_11.0126.C35.o1.tw	Method	TBLASTX:Wheat
Start	9022	End	9828
GI	none	Score	58
Exons	9022..9081, 9592..9828, 9621..9827		

Seq. No.	2827	Seq. ID	OJ991012_11.0126.C35
Gene No.	5942	Strand	-
Start	17268	End	19132
Name	OJ991012_11.0126.C35.o1.ts	Method	TBLASTX:Soybean
Start	9682	End	10080
GI	none	Score	145
Exons	9682..9810, 9685..9801, 9696..9803, 9813..10073, 9814..10080, 9817..10080		

Seq. No.	2827	Seq. ID	OJ991012_11.0126.C35
Gene No.	5942	Strand	-
Start	17268	End	19132
Name	OJ991012_11.0126.C35.o2.tm	Method	TBLASTX:Maize

Start	10089	End	10253
GI	none	Score	185
Exons	10089..10253, 10090..10239		

Seq. No.	2827	Seq. ID	OJ991012_11.0126.C35
Gene No.	5942	Strand	-
Start	17268	End	19132
Name	OJ991012_11.0126.C35.o4.np	Method	AAT/NAP
Start	17268	End	19132
GI	6721512	Score	112
Exons	17268..17318, 18823..18962, 18990..19132		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	2827	Seq. ID	OJ991012_11.0126.C35
Gene No.	5942	Strand	-
Start	17268	End	19132
Name	OJ991012_11.0126.C35.o4.gs	Method	GENSCAN
Start	18747	End	19061
GI	none	Score	.7
Exons	18747..18765, 18991..19061		

Seq. No.	2828	Seq. ID	OJ991012_11.0126.C36
Gene No.	5943	Strand	+
Start	10845	End	14016
Name	OJ991012_11.0126.C36.o5.gs	Method	GENSCAN
Start	10845	End	14016
GI	none	Score	.72
Exons	10845..10963, 13839..14016		

Seq. No.	2828	Seq. ID	OJ991012_11.0126.C36
Gene No.	5944	Strand	-
Start	111	End	2001
Name	OJ991012_11.0126.C36.o1.gs	Method	GENSCAN
Start	111	End	2001
GI	none	Score	.54
Exons	111..167, 957..1091, 1882..2001		

Seq. No.	2828	Seq. ID	OJ991012_11.0126.C36
Gene No.	5944	Strand	-
Start	111	End	2001
Name	OJ991012_11.0126.C36.o2.np	Method	AAT/NAP
Start	1886	End	1912
GI	3928084	Score	15
Exons	1886..1912		
GI Descrip.	(AC005770) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	2828	Seq. ID	OJ991012_11.0126.C36
Gene No.	5945	Strand	-
Start	2710	End	3738
Name	OJ991012_11.0126.C36.o1.np	Method	AAT/NAP
Start	2695	End	2830
GI	4263819	Score	65
Exons	2695..2830		
GI Descrip.	(AC006067) putative serpin [Arabidopsis thaliana]		

Seq. No.	2828	Seq. ID	OJ991012_11.0126.C36

Gene No.	5945	Strand	-
Start	2710	End	3738
Name	OJ991012_11.0126.C36.o2.gs	Method	GENSCAN
Start	2710	End	3738
GI	none	Score	.97
Exons	2710..3633, 3736..3738		

Seq. No.	2828	Seq. ID	OJ991012_11.0126.C36
Gene No.	5946	Strand	-
Start	3933	End	4396
Name	OJ991012_11.0126.C36.o3.gs	Method	GENSCAN
Start	3933	End	4396
GI	none	Score	.6
Exons	3933..4102, 4336..4396		

Seq. No.	2828	Seq. ID	OJ991012_11.0126.C36
Gene No.	5947	Strand	-
Start	5059	End	10213
Name	OJ991012_11.0126.C36.o1.gp	Method	AAT/GAP
Start	5059	End	6695
GI	111_8.R1084	Score	1087
Exons	5059..5547, 6586..6695		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 6.0e-60 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	2828	Seq. ID	OJ991012_11.0126.C36
Gene No.	5947	Strand	-
Start	5059	End	10213
Name	OJ991012_11.0126.C36.o4.gs	Method	GENSCAN
Start	5425	End	10213
GI	none	Score	.86
Exons	5425..5496, 6415..6467, 6586..6731, 6968..7524, 7529..7687, 7753..7994, 10072..10213		

Seq. No.	2828	Seq. ID	OJ991012_11.0126.C36
Gene No.	5948	Strand	-
Start	12029	End	16744
Name	OJ991012_11.0126.C36.o3.np	Method	AAT/NAP
Start	12029	End	16744
GI	6016874	Score	1902
Exons	12029..12047, 13935..14182, 14651..14991, 15109..15288, 15682..15841, 16232..16464, 16529..16744		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	2828	Seq. ID	OJ991012_11.0126.C36
Gene No.	5948	Strand	-
Start	12029	End	16744
Name	OJ991012_11.0126.C36.o6.gs	Method	GENSCAN
Start	14648	End	16547
GI	none	Score	.86
Exons	14648..15288, 15682..15841, 16232..16464, 16529..16547		

Seq. No.	2828	Seq. ID	OJ991012_11.0126.C36
Gene No.	5948	Strand	-
Start	12029	End	16744

Name	OJ991012_11.0126.C36.o2.tm	Method	TBLASTX:Maize
Start	14714	End	14957
GI	none	Score	97
Exons	14714..14947, 14799..14957		

Seq. No.	2828	Seq. ID	OJ991012_11.0126.C36
Gene No.	5948	Strand	-
Start	12029	End	16744
Name	OJ991012_11.0126.C36.o4.tm	Method	TBLASTX:Maize
Start	15069	End	15421
GI	none	Score	136
Exons	15069..15410, 15140..15421		

Seq. No.	2828	Seq. ID	OJ991012_11.0126.C36
Gene No.	5948	Strand	-
Start	12029	End	16744
Name	OJ991012_11.0126.C36.o3.tm	Method	TBLASTX:Maize
Start	15626	End	15940
GI	none	Score	106
Exons	15626..15853, 15627..15845, 15866..15940		

Seq. No.	2828	Seq. ID	OJ991012_11.0126.C36
Gene No.	5948	Strand	-
Start	12029	End	16744
Name	OJ991012_11.0126.C36.o2.gp	Method	AAT/GAP
Start	15631	End	16139
GI	uC-osflcyp110c07b1	Score	966
Exons	15631..16139		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	2828	Seq. ID	OJ991012_11.0126.C36
Gene No.	5948	Strand	-
Start	12029	End	16744
Name	OJ991012_11.0126.C36.o1.tm	Method	TBLASTX:Maize
Start	16034	End	16480
GI	none	Score	110
Exons	16034..16072, 16067..16123, 16160..16408, 16200..16409, 16394..16480		

Seq. No.	2829	Seq. ID	OJ991012_11.0126.C37
Gene No.	5949	Strand	+
Start	213	End	555
Name	OJ991012_11.0126.C37.o1.gs	Method	GENSCAN
Start	213	End	555
GI	none	Score	.74
Exons	213..264, 487..555		

Seq. No.	2830	Seq. ID	OJ991022_10.0128.C1
Gene No.	5950	Strand	-
Start	1	End	736
Name	OJ991022_10.0128.C1.o1.np	Method	AAT/NAP
Start	1	End	736
GI	6539553	Score	1109
Exons	1..736		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1		

(D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]

Seq. No.	2830	Seq. ID	OJ991022_10.0128.C1
Gene No.	5950	Strand	-
Start	1	End	736
Name	OJ991022_10.0128.C1.o1.gs	Method	GENSCAN
Start	153	End	651
GI	none	Score	.82
Exons	153..651		

Seq. No.	2830	Seq. ID	OJ991022_10.0128.C1
Gene No.	5950	Strand	-
Start	1	End	736
Name	OJ991022_10.0128.C1.o1.tm	Method	TBLASTX:Maize
Start	302	End	615
GI	none	Score	297
Exons	302..607, 304..615		

Seq. No.	2830	Seq. ID	OJ991022_10.0128.C1
Gene No.	5950	Strand	-
Start	1	End	736
Name	OJ991022_10.0128.C1.o1.tw	Method	TBLASTX:Wheat
Start	364	End	736
GI	none	Score	251
Exons	364..735, 365..736		

Seq. No.	2831	Seq. ID	OJ991022_10.0128.C2
Gene No.	5951	Strand	+
Start	225	End	2535
Name	OJ991022_10.0128.C2.o1.np	Method	AAT/NAP
Start	225	End	2287
GI	6721561	Score	75
Exons	225..333, 2044..2287		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2831	Seq. ID	OJ991022_10.0128.C2
Gene No.	5951	Strand	+
Start	225	End	2535
Name	OJ991022_10.0128.C2.o1.gs	Method	GENSCAN
Start	1579	End	2535
GI	none	Score	.9
Exons	1579..2535		

Seq. No.	2831	Seq. ID	OJ991022_10.0128.C2
Gene No.	5951	Strand	+
Start	225	End	2535
Name	OJ991022_10.0128.C2.o2.np	Method	AAT/NAP
Start	1645	End	2532
GI	5042448	Score	1302
Exons	1645..2208, 2239..2532		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type		

retrotransposon [Oryza sativa]

Seq. No.	2831	Seq. ID	OJ991022_10.0128.C2
Gene No.	5952	Strand	+
Start	2787	End	5535
Name	OJ991022_10.0128.C2.o2.gs	Method	GENSCAN
Start	2787	End	5485
GI	none	Score	.47
Exons	2787..3984, 4222..5485		

Seq. No.	2831	Seq. ID	OJ991022_10.0128.C2
Gene No.	5952	Strand	+
Start	2787	End	5535
Name	OJ991022_10.0128.C2.o3.np	Method	AAT/NAP
Start	2787	End	5535
GI	4680179	Score	4624
Exons	2787..5535		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	2831	Seq. ID	OJ991022_10.0128.C2
Gene No.	5952	Strand	+
Start	2787	End	5535
Name	OJ991022_10.0128.C2.o3.tw	Method	TBLASTX:Wheat
Start	3050	End	3413
GI	none	Score	297
Exons	3050..3154, 3054..3413, 3179..3412		

Seq. No.	2831	Seq. ID	OJ991022_10.0128.C2
Gene No.	5952	Strand	+
Start	2787	End	5535
Name	OJ991022_10.0128.C2.o3.tm	Method	TBLASTX:Maize
Start	3294	End	3590
GI	none	Score	199
Exons	3294..3590, 3294..3578		

Seq. No.	2831	Seq. ID	OJ991022_10.0128.C2
Gene No.	5952	Strand	+
Start	2787	End	5535
Name	OJ991022_10.0128.C2.o4.tm	Method	TBLASTX:Maize
Start	3930	End	4250
GI	none	Score	184
Exons	3930..4250, 3983..4075		

Seq. No.	2831	Seq. ID	OJ991022_10.0128.C2
Gene No.	5952	Strand	+
Start	2787	End	5535
Name	OJ991022_10.0128.C2.o4.tw	Method	TBLASTX:Wheat
Start	3933	End	4355
GI	none	Score	141
Exons	3933..4127, 3983..4081, 4167..4355, 4193..4354		

Seq. No.	2831	Seq. ID	OJ991022_10.0128.C2
Gene No.	5952	Strand	+
Start	2787	End	5535
Name	OJ991022_10.0128.C2.o1.tw	Method	TBLASTX:Wheat
Start	4512	End	4994
GI	none	Score	537

Exons	4512..4994, 4616..4951, 4623..4985		
Seq. No.	2831	Seq. ID	OJ991022_10.0128.C2
Gene No.	5952	Strand	+
Start	2787	End	5535
Name	OJ991022_10.0128.C2.o2.tm	Method	TBLASTX:Maize
Start	4524	End	4813
GI	none	Score	321
Exons	4524..4811, 4622..4813		
Seq. No.	2831	Seq. ID	OJ991022_10.0128.C2
Gene No.	5952	Strand	+
Start	2787	End	5535
Name	OJ991022_10.0128.C2.o2.ts	Method	TBLASTX:Soybean
Start	4548	End	4862
GI	none	Score	183
Exons	4548..4862		
Seq. No.	2831	Seq. ID	OJ991022_10.0128.C2
Gene No.	5952	Strand	+
Start	2787	End	5535
Name	OJ991022_10.0128.C2.o1.tm	Method	TBLASTX:Maize
Start	4887	End	5381
GI	none	Score	158
Exons	4887..5060, 5046..5381, 5132..5263, 5288..5338		
Seq. No.	2831	Seq. ID	OJ991022_10.0128.C2
Gene No.	5952	Strand	+
Start	2787	End	5535
Name	OJ991022_10.0128.C2.o1.ts	Method	TBLASTX:Soybean
Start	4935	End	5330
GI	none	Score	57
Exons	4935..4967, 4935..4979, 4971..5330, 4971..5114, 5075..5329		
Seq. No.	2831	Seq. ID	OJ991022_10.0128.C2
Gene No.	5952	Strand	+
Start	2787	End	5535
Name	OJ991022_10.0128.C2.o2.tw	Method	TBLASTX:Wheat
Start	5043	End	5444
GI	none	Score	535
Exons	5043..5444, 5044..5145, 5075..5443		
Seq. No.	2832	Seq. ID	OJ991022_10.0128.C3
Gene No.	5953	Strand	+
Start	1	End	1259
Name	OJ991022_10.0128.C3.o1.np	Method	AAT/NAP
Start	1	End	1256
GI	4680179	Score	2115
Exons	1..1256		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	2832	Seq. ID	OJ991022_10.0128.C3
Gene No.	5953	Strand	+
Start	1	End	1259
Name	OJ991022_10.0128.C3.o3.tw	Method	TBLASTX:Wheat
Start	15	End	245
GI	none	Score	340

Exons	15..245, 26..244		
Seq. No.	2832	Seq. ID	OJ991022_10.0128.C3
Gene No.	5953	Strand	+
Start	1	End	1259
Name	OJ991022_10.0128.C3.o1.ts	Method	TBLASTX:Soybean
Start	33	End	293
GI	none	Score	299
Exons	33..293, 38..292		
Seq. No.	2832	Seq. ID	OJ991022_10.0128.C3
Gene No.	5953	Strand	+
Start	1	End	1259
Name	OJ991022_10.0128.C3.o1.gs	Method	GENSCAN
Start	57	End	1259
GI	none	Score	.74
Exons	57..695, 864..1259		
Seq. No.	2832	Seq. ID	OJ991022_10.0128.C3
Gene No.	5953	Strand	+
Start	1	End	1259
Name	OJ991022_10.0128.C3.o2.tm	Method	TBLASTX:Maize
Start	92	End	383
GI	none	Score	390
Exons	92..379, 93..383		
Seq. No.	2832	Seq. ID	OJ991022_10.0128.C3
Gene No.	5953	Strand	+
Start	1	End	1259
Name	OJ991022_10.0128.C3.o1.tw	Method	TBLASTX:Wheat
Start	252	End	878
GI	none	Score	709
Exons	252..878, 254..877		
Seq. No.	2832	Seq. ID	OJ991022_10.0128.C3
Gene No.	5953	Strand	+
Start	1	End	1259
Name	OJ991022_10.0128.C3.o1.tm	Method	TBLASTX:Maize
Start	432	End	1031
GI	none	Score	223
Exons	432..593, 440..586, 591..1031, 593..1018		
Seq. No.	2832	Seq. ID	OJ991022_10.0128.C3
Gene No.	5953	Strand	+
Start	1	End	1259
Name	OJ991022_10.0128.C3.o2.tw	Method	TBLASTX:Wheat
Start	878	End	1211
GI	none	Score	369
Exons	878..949, 879..1211, 906..986, 971..1087, 1029..1190		
Seq. No.	2832	Seq. ID	OJ991022_10.0128.C3
Gene No.	5953	Strand	+
Start	1	End	1259
Name	OJ991022_10.0128.C3.o3.tm	Method	TBLASTX:Maize
Start	1035	End	1232
GI	none	Score	193
Exons	1035..1232		

Seq. No.	2833	Seq. ID	OJ991022_10.0128.C4
Gene No.	5954	Strand	+
Start	798	End	1082
Name	OJ991022_10.0128.C4.o1.np	Method	AAT/NAP
Start	798	End	1082
GI	6721559	Score	191
Exons	798..1082		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	2834	Seq. ID	OJ991022_10.0128.C5
Gene No.	5955	Strand	+
Start	1	End	12442
Name	OJ991022_10.0128.C5.o1.np	Method	AAT/NAP
Start	1	End	4314
GI	4432794	Score	684
Exons	1..156, 773..1460, 1491..2060, 2095..2909, 4272..4314		
GI Descrip.	(AC006437) putative TNP2-like transposon protein [Arabidopsis thaliana]		

Seq. No.	2834	Seq. ID	OJ991022_10.0128.C5
Gene No.	5955	Strand	+
Start	1	End	12442
Name	OJ991022_10.0128.C5.o2.np	Method	AAT/NAP
Start	1	End	4869
GI	4680203	Score	1273
Exons	1..28, 795..2378, 2535..2790, 4833..4869		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	2834	Seq. ID	OJ991022_10.0128.C5
Gene No.	5955	Strand	+
Start	1	End	12442
Name	OJ991022_10.0128.C5.o3.np	Method	AAT/NAP
Start	1	End	12442
GI	465445	Score	48
Exons	1..56, 3786..3897, 4482..4539, 7064..7223, 12415..12442		
GI Descrip.	PROBABLE NUCLEAR ANTIGEN gi|418708|pir||B45344 probable nuclear antigen - suid herpesvirus 1 (strain Kaplan) gi|334072 (M34651) ORF-3 protein [Pseudorabies virus]		

Seq. No.	2834	Seq. ID	OJ991022_10.0128.C5
Gene No.	5955	Strand	+
Start	1	End	12442
Name	OJ991022_10.0128.C5.o1.gs	Method	GENSCAN
Start	752	End	2629
GI	none	Score	.73
Exons	752..770, 1174..1299, 1437..2629		

Seq. No.	2834	Seq. ID	OJ991022_10.0128.C5
Gene No.	5955	Strand	+
Start	1	End	12442
Name	OJ991022_10.0128.C5.o2.gs	Method	GENSCAN
Start	3841	End	9662
GI	none	Score	.52
Exons	3841..4124, 4256..4266, 4423..4600, 5431..5483, 5653..5690,		

5925..6313, 6319..6448, 6684..6831, 6906..7369, 7402..7451,
7483..7783, 7883..8037, 8215..8655, 8794..8834, 8893..9163,
9235..9330, 9476..9662

Seq. No.	2834	Seq. ID	OJ991022_10.0128.C5
Gene No.	5956	Strand	-
Start	10663	End	12442
Name	OJ991022_10.0128.C5.o6.tw	Method	TBLASTX:Wheat
Start	1152	End	1426
GI	none	Score	182
Exons	1152..1370, 1304..1369, 1367..1426		

Seq. No.	2834	Seq. ID	OJ991022_10.0128.C5
Gene No.	5956	Strand	-
Start	10663	End	12442
Name	OJ991022_10.0128.C5.o2.ts	Method	TBLASTX:Soybean
Start	1338	End	1768
GI	none	Score	40
Exons	1338..1370, 1367..1459, 1519..1680, 1541..1681, 1663..1764, 1691..1768		

Seq. No.	2834	Seq. ID	OJ991022_10.0128.C5
Gene No.	5956	Strand	-
Start	10663	End	12442
Name	OJ991022_10.0128.C5.o1.tc	Method	TBLASTX:Cress
Start	1550	End	1846
GI	none	Score	104
Exons	1550..1699, 1594..1647, 1687..1842, 1691..1846		

Seq. No.	2834	Seq. ID	OJ991022_10.0128.C5
Gene No.	5956	Strand	-
Start	10663	End	12442
Name	OJ991022_10.0128.C5.o1.tw	Method	TBLASTX:Wheat
Start	1631	End	2100
GI	none	Score	198
Exons	1631..1792, 1639..1785, 1793..1894, 1793..1891, 1801..1893, 1804..1896, 1874..1936, 1894..1935, 1951..2100, 1952..2095		

Seq. No.	2834	Seq. ID	OJ991022_10.0128.C5
Gene No.	5956	Strand	-
Start	10663	End	12442
Name	OJ991022_10.0128.C5.o2.tm	Method	TBLASTX:Maize
Start	1691	End	2131
GI	none	Score	224
Exons	1691..1936, 1691..1828, 1946..2131		

Seq. No.	2834	Seq. ID	OJ991022_10.0128.C5
Gene No.	5956	Strand	-
Start	10663	End	12442
Name	OJ991022_10.0128.C5.o4.tw	Method	TBLASTX:Wheat
Start	2237	End	2686
GI	none	Score	64
Exons	2237..2299, 2315..2446, 2332..2433, 2447..2533, 2566..2685, 2567..2686		

Seq. No.	2834	Seq. ID	OJ991022_10.0128.C5
Gene No.	5956	Strand	-

Start	10663	End	12442
Name	OJ991022_10.0128.C5.o4.tm	Method	TBLASTX:Maize
Start	2276	End	2521
GI	none	Score	219
Exons	2276..2521, 2329..2520		

Seq. No.	2834	Seq. ID	OJ991022_10.0128.C5
Gene No.	5956	Strand	-
Start	10663	End	12442
Name	OJ991022_10.0128.C5.o7.tw	Method	TBLASTX:Wheat
Start	2692	End	2899
GI	none	Score	189
Exons	2692..2898, 2693..2899		

Seq. No.	2834	Seq. ID	OJ991022_10.0128.C5
Gene No.	5956	Strand	-
Start	10663	End	12442
Name	OJ991022_10.0128.C5.o4.np	Method	AAT/NAP
Start	9938	End	12442
GI	4206306	Score	2031
Exons	9938..12442		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	2834	Seq. ID	OJ991022_10.0128.C5
Gene No.	5956	Strand	-
Start	10663	End	12442
Name	OJ991022_10.0128.C5.o5.tm	Method	TBLASTX:Maize
Start	10498	End	10683
GI	none	Score	151
Exons	10498..10683, 10514..10681		

Seq. No.	2834	Seq. ID	OJ991022_10.0128.C5
Gene No.	5956	Strand	-
Start	10663	End	12442
Name	OJ991022_10.0128.C5.o5.tw	Method	TBLASTX:Wheat
Start	10645	End	11034
GI	none	Score	237
Exons	10645..11034		

Seq. No.	2834	Seq. ID	OJ991022_10.0128.C5
Gene No.	5956	Strand	-
Start	10663	End	12442
Name	OJ991022_10.0128.C5.o3.gs	Method	GENSCAN
Start	10663	End	12378
GI	none	Score	.54
Exons	10663..11637, 11704..12132, 12244..12378		

Seq. No.	2834	Seq. ID	OJ991022_10.0128.C5
Gene No.	5956	Strand	-
Start	10663	End	12442
Name	OJ991022_10.0128.C5.o1.tm	Method	TBLASTX:Maize
Start	10684	End	11145
GI	none	Score	54
Exons	10684..11145, 10685..10798, 10874..11098		

Seq. No.	2834	Seq. ID	OJ991022_10.0128.C5
Gene No.	5956	Strand	-

Start	10663	End	12442
Name	OJ991022_10.0128.C5.o3.tw	Method	TBLASTX:Wheat
Start	11344	End	11776
GI	none	Score	107
Exons	11344..11775, 11432..11635, 11660..11776		

Seq. No.	2834	Seq. ID	OJ991022_10.0128.C5
Gene No.	5956	Strand	-
Start	10663	End	12442
Name	OJ991022_10.0128.C5.o3.ts	Method	TBLASTX:Soybean
Start	11414	End	11778
GI	none	Score	82
Exons	11414..11767, 11419..11640, 11680..11778		

Seq. No.	2834	Seq. ID	OJ991022_10.0128.C5
Gene No.	5956	Strand	-
Start	10663	End	12442
Name	OJ991022_10.0128.C5.o1.ts	Method	TBLASTX:Soybean
Start	11962	End	12426
GI	none	Score	54
Exons	11962..12426, 12041..12118, 12233..12376		

Seq. No.	2834	Seq. ID	OJ991022_10.0128.C5
Gene No.	5956	Strand	-
Start	10663	End	12442
Name	OJ991022_10.0128.C5.o2.tw	Method	TBLASTX:Wheat
Start	12052	End	12441
GI	none	Score	108
Exons	12052..12441, 12157..12411, 12158..12418		

Seq. No.	2834	Seq. ID	OJ991022_10.0128.C5
Gene No.	5956	Strand	-
Start	10663	End	12442
Name	OJ991022_10.0128.C5.o3.tm	Method	TBLASTX:Maize
Start	12145	End	12438
GI	none	Score	181
Exons	12145..12438, 12158..12418		

Seq. No.	2835	Seq. ID	OJ991022_10.0128.C6
Gene No.	5957	Strand	+
Start	1	End	4234
Name	OJ991022_10.0128.C6.o2.np	Method	AAT/NAP
Start	1	End	4234
GI	4539357	Score	159
Exons	1..36, 2101..2439, 4209..4234		
GI Descrip.	(AL049525) putative protein [Arabidopsis thaliana]		

Seq. No.	2835	Seq. ID	OJ991022_10.0128.C6
Gene No.	5957	Strand	+
Start	1	End	4234
Name	OJ991022_10.0128.C6.o3.np	Method	AAT/NAP
Start	2700	End	3468
GI	4680183	Score	180
Exons	2700..2771, 3379..3468		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	2835	Seq. ID	OJ991022_10.0128.C6

Gene No.	5958	Strand	-
Start	1	End	2487
Name	OJ991022_10.0128.C6.o1.np	Method	AAT/NAP
Start	1	End	2379
GI	4206306	Score	908
Exons	1..1198, 2342..2379		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	2835	Seq. ID	OJ991022_10.0128.C6
Gene No.	5958	Strand	-
Start	1	End	2487
Name	OJ991022_10.0128.C6.o1.tm	Method	TBLASTX:Maize
Start	79	End	436
GI	none	Score	238
Exons	79..429, 80..436		

Seq. No.	2835	Seq. ID	OJ991022_10.0128.C6
Gene No.	5958	Strand	-
Start	1	End	2487
Name	OJ991022_10.0128.C6.o1.tw	Method	TBLASTX:Wheat
Start	109	End	540
GI	none	Score	266
Exons	109..540, 110..538		

Seq. No.	2835	Seq. ID	OJ991022_10.0128.C6
Gene No.	5958	Strand	-
Start	1	End	2487
Name	OJ991022_10.0128.C6.o3.tw	Method	TBLASTX:Wheat
Start	769	End	1128
GI	none	Score	88
Exons	769..945, 770..991, 997..1128		

Seq. No.	2835	Seq. ID	OJ991022_10.0128.C6
Gene No.	5958	Strand	-
Start	1	End	2487
Name	OJ991022_10.0128.C6.o2.tw	Method	TBLASTX:Wheat
Start	2101	End	2337
GI	none	Score	232
Exons	2101..2337, 2101..2256		

Seq. No.	2835	Seq. ID	OJ991022_10.0128.C6
Gene No.	5958	Strand	-
Start	1	End	2487
Name	OJ991022_10.0128.C6.o2.tm	Method	TBLASTX:Maize
Start	2104	End	2487
GI	none	Score	345
Exons	2104..2487, 2104..2256, 2328..2378		

Seq. No.	2836	Seq. ID	OJ991022_10.0128.C7
Gene No.	5959	Strand	+
Start	175	End	2224
Name	OJ991022_10.0128.C7.o1.gs	Method	GENSCAN
Start	175	End	2224
GI	none	Score	.42
Exons	175..219, 2114..2224		

Seq. No.	2836	Seq. ID	OJ991022_10.0128.C7

Gene No.	5959	Strand	+
Start	175	End	2224
Name	OJ991022_10.0128.C7.o1.gp	Method	AAT/GAP
Start	1489	End	1552
GI	LIB3432-007-P1-K1-E2	Score	103
Exons	1489..1552		
GI Descrip.	'4468813/emb|CAB38214| 2.0e-10 (AL035601) putative protein [Arabidopsis thaliana]'		

Seq. No.	2836	Seq. ID	OJ991022_10.0128.C7
Gene No.	5960	Strand	+
Start	3171	End	3690
Name	OJ991022_10.0128.C7.o2.gs	Method	GENSCAN
Start	3171	End	3690
GI	none	Score	.92
Exons	3171..3250, 3483..3690		

Seq. No.	2836	Seq. ID	OJ991022_10.0128.C7
Gene No.	5961	Strand	+
Start	13733	End	14164
Name	OJ991022_10.0128.C7.o3.gp	Method	AAT/GAP
Start	13410	End	13977
GI	3768038	Score	662
Exons	13410..13476, 13680..13977		

Seq. No.	2836	Seq. ID	OJ991022_10.0128.C7
Gene No.	5961	Strand	+
Start	13733	End	14164
Name	OJ991022_10.0128.C7.o4.np	Method	AAT/NAP
Start	13733	End	14164
GI	2464905	Score	300
Exons	13733..14164		
GI Descrip.	(Z99708) minor allergen [Arabidopsis thaliana]		

Seq. No.	2836	Seq. ID	OJ991022_10.0128.C7
Gene No.	5961	Strand	+
Start	13733	End	14164
Name	OJ991022_10.0128.C7.o5.gs	Method	GENSCAN
Start	13733	End	14118
GI	none	Score	.85
Exons	13733..14118		

Seq. No.	2836	Seq. ID	OJ991022_10.0128.C7
Gene No.	5962	Strand	-
Start	2153	End	2374
Name	OJ991022_10.0128.C7.o2.gp	Method	AAT/GAP
Start	2153	End	2374
GI	3106876	Score	419
Exons	2153..2374		

Seq. No.	2836	Seq. ID	OJ991022_10.0128.C7
Gene No.	5963	Strand	-
Start	3840	End	4639
Name	OJ991022_10.0128.C7.o3.gs	Method	GENSCAN
Start	3840	End	4639
GI	none	Score	.86
Exons	3840..4552, 4558..4639		

Seq. No.	2836	Seq. ID	OJ991022_10.0128.C7
Gene No.	5964	Strand	-
Start	5353	End	9883
Name	OJ991022_10.0128.C7.o2.tm	Method	TBLASTX:Maize
Start	811	End	1118
GI	none	Score	183
Exons	811..993, 850..963, 993..1118, 1017..1094		

Seq. No.	2836	Seq. ID	OJ991022_10.0128.C7
Gene No.	5964	Strand	-
Start	5353	End	9883
Name	OJ991022_10.0128.C7.o2.tw	Method	TBLASTX:Wheat
Start	993	End	1277
GI	none	Score	186
Exons	993..1226, 1079..1219, 1227..1277		

Seq. No.	2836	Seq. ID	OJ991022_10.0128.C7
Gene No.	5964	Strand	-
Start	5353	End	9883
Name	OJ991022_10.0128.C7.o3.tm	Method	TBLASTX:Maize
Start	1382	End	1762
GI	none	Score	158
Exons	1382..1663, 1676..1762, 1681..1758		

Seq. No.	2836	Seq. ID	OJ991022_10.0128.C7
Gene No.	5964	Strand	-
Start	5353	End	9883
Name	OJ991022_10.0128.C7.o1.tw	Method	TBLASTX:Wheat
Start	1493	End	1778
GI	none	Score	245
Exons	1493..1777, 1608..1778		

Seq. No.	2836	Seq. ID	OJ991022_10.0128.C7
Gene No.	5964	Strand	-
Start	5353	End	9883
Name	OJ991022_10.0128.C7.o4.gs	Method	GENSCAN
Start	5353	End	9883
GI	none	Score	.78
Exons	5353..6206, 6310..6712, 6800..6932, 8441..8528, 9371..9544, 9826..9883		

Seq. No.	2836	Seq. ID	OJ991022_10.0128.C7
Gene No.	5964	Strand	-
Start	5353	End	9883
Name	OJ991022_10.0128.C7.o2.np	Method	AAT/NAP
Start	5394	End	7718
GI	4680338	Score	438
Exons	5394..6469, 7665..7718		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	2836	Seq. ID	OJ991022_10.0128.C7
Gene No.	5964	Strand	-
Start	5353	End	9883
Name	OJ991022_10.0128.C7.o3.np	Method	AAT/NAP
Start	5394	End	7715
GI	4680338	Score	439

Exons	5394..6469, 7665..7715		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		
Seq. No.	2836	Seq. ID	OJ991022_10.0128.C7
Gene No.	5964	Strand	-
Start	5353	End	9883
Name	OJ991022_10.0128.C7.o1.tm	Method	TBLASTX:Maize
Start	5500	End	6261
GI	none	Score	71
Exons	5500..5673, 5535..5672, 5537..5674, 5698..5943, 5702..5941, 5719..5943, 6010..6087, 6199..6261		
Seq. No.	2836	Seq. ID	OJ991022_10.0128.C7
Gene No.	5964	Strand	-
Start	5353	End	9883
Name	OJ991022_10.0128.C7.o1.ts	Method	TBLASTX:Soybean
Start	5500	End	6069
GI	none	Score	98
Exons	5500..5673, 5507..5674, 5698..5928, 5699..5926, 5998..6069		
Seq. No.	2836	Seq. ID	OJ991022_10.0128.C7
Gene No.	5964	Strand	-
Start	5353	End	9883
Name	OJ991022_10.0128.C7.o1.tc	Method	TBLASTX:Cress
Start	5698	End	5932
GI	none	Score	128
Exons	5698..5928, 5699..5932		
Seq. No.	2836	Seq. ID	OJ991022_10.0128.C7
Gene No.	5965	Strand	
Start	13976	End	14164
Name	OJ991022_10.0128.C7.o4.tm	Method	TBLASTX:Maize
Start	13976	End	14164
GI	none	Score	208
Exons	13976..14008, 13982..14164, 13990..14163		
Seq. No.	2837	Seq. ID	OJ991022_10.0128.C8
Gene No.	5966	Strand	+
Start	430	End	7771
Name	OJ991022_10.0128.C8.o1.gs	Method	GENSCAN
Start	430	End	7771
GI	none	Score	.73
Exons	430..517, 591..648, 1728..1916, 2232..2370, 2638..2778, 3604..3753, 4092..4195, 4442..4616, 4898..5007, 5090..5257, 5364..5529, 5955..6233, 6629..6860, 7329..7771		
Seq. No.	2837	Seq. ID	OJ991022_10.0128.C8
Gene No.	5966	Strand	+
Start	430	End	7771
Name	OJ991022_10.0128.C8.o1.np	Method	AAT/NAP
Start	1728	End	1953
GI	2464905	Score	321
Exons	1728..1953		
GI Descrip.	(Z99708) minor allergen [Arabidopsis thaliana]		
Seq. No.	2837	Seq. ID	OJ991022_10.0128.C8
Gene No.	5967	Strand	-

Start	2104	End	2208
Name	OJ991022_10.0128.C8.o1.tw	Method	TBLASTX:Wheat
Start	1724	End	1961
GI	none	Score	114
Exons	1724..1870, 1726..1935, 1728..1955, 1730..1960, 1875..1961		

Seq. No.	2837	Seq. ID	OJ991022_10.0128.C8
Gene No.	5967	Strand	-
Start	2104	End	2208
Name	OJ991022_10.0128.C8.o1.tc	Method	TBLASTX:Cress
Start	1731	End	1943
GI	none	Score	289
Exons	1731..1943, 1732..1932		

Seq. No.	2837	Seq. ID	OJ991022_10.0128.C8
Gene No.	5967	Strand	-
Start	2104	End	2208
Name	OJ991022_10.0128.C8.o1.ts	Method	TBLASTX:Soybean
Start	1731	End	1952
GI	none	Score	288
Exons	1731..1952, 1732..1932		

Seq. No.	2837	Seq. ID	OJ991022_10.0128.C8
Gene No.	5967	Strand	-
Start	2104	End	2208
Name	OJ991022_10.0128.C8.o1.tm	Method	TBLASTX:Maize
Start	1736	End	1946
GI	none	Score	81
Exons	1736..1942, 1737..1808, 1738..1935, 1755..1946, 1872..1943		

Seq. No.	2837	Seq. ID	OJ991022_10.0128.C8
Gene No.	5967	Strand	-
Start	2104	End	2208
Name	OJ991022_10.0128.C8.o1.gp	Method	AAT/GAP
Start	2104	End	2208
GI	4714411	Score	187
Exons	2104..2208		

Seq. No.	2838	Seq. ID	OJ991022_10.0128.C9
Gene No.	5968	Strand	+
Start	853	End	1754
Name	OJ991022_10.0128.C9.o1.gs	Method	GENSCAN
Start	853	End	1754
GI	none	Score	.8
Exons	853..944, 1540..1754		

Seq. No.	2839	Seq. ID	OJ991012_10.0127.C2
Gene No.	5969	Strand	-
Start	21	End	2671
Name	OJ991012_10.0127.C2.o1.np	Method	AAT/NAP
Start	21	End	2671
GI	5441891	Score	766
Exons	21..170, 2333..2671		
GI Descrip.	(AP000367) Similar to putative SWI/SNF complex subunit BAF170. (AC002332) [Oryza sativa]		

Seq. No.	2839	Seq. ID	OJ991012_10.0127.C2

Gene No.	5969	Strand	-
Start	21	End	2671
Name	OJ991012_10.0127.C2.o1.gs	Method	GENSCAN
Start	38	End	2487
GI	none	Score	.77
Exons	38..170, 489..846, 2333..2487		

Seq. No.	2839	Seq. ID	OJ991012_10.0127.C2
Gene No.	5969	Strand	-
Start	21	End	2671
Name	OJ991012_10.0127.C2.o1.ts	Method	TBLASTX:Soybean
Start	489	End	2389
GI	none	Score	51
Exons	489..581, 493..534, 567..881, 600..884, 631..885, 2333..2389		

Seq. No.	2839	Seq. ID	OJ991012_10.0127.C2
Gene No.	5969	Strand	-
Start	21	End	2671
Name	OJ991012_10.0127.C2.o1.tm	Method	TBLASTX:Maize
Start	529	End	806
GI	none	Score	41
Exons	529..576, 575..802, 582..803, 582..806		

Seq. No.	2839	Seq. ID	OJ991012_10.0127.C2
Gene No.	5969	Strand	-
Start	21	End	2671
Name	OJ991012_10.0127.C2.o2.tm	Method	TBLASTX:Maize
Start	813	End	2539
GI	none	Score	74
Exons	813..881, 814..876, 821..886, 2332..2430, 2333..2449, 2337..2447, 2453..2539, 2460..2516, 2486..2527		

Seq. No.	2839	Seq. ID	OJ991012_10.0127.C2
Gene No.	5969	Strand	-
Start	21	End	2671
Name	OJ991012_10.0127.C2.o2.ts	Method	TBLASTX:Soybean
Start	2486	End	2662
GI	none	Score	60
Exons	2486..2554, 2486..2662, 2605..2658		

Seq. No.	2840	Seq. ID	OJ991012_10.0127.C3
Gene No.	5970	Strand	+
Start	21	End	257
Name	OJ991012_10.0127.C3.o1.gs	Method	GENSCAN
Start	21	End	257
GI	none	Score	.92
Exons	21..257		

Seq. No.	2840	Seq. ID	OJ991012_10.0127.C3
Gene No.	5971	Strand	+
Start	1895	End	3618
Name	OJ991012_10.0127.C3.o2.gs	Method	GENSCAN
Start	1895	End	3618
GI	none	Score	.56
Exons	1895..1965, 3489..3618		

Seq. No.	2840	Seq. ID	OJ991012_10.0127.C3

Gene No.	5972	Strand	+
Start	4340	End	4669
Name	OJ991012_10.0127.C3.o3.gs	Method	GENSCAN
Start	4340	End	4669
GI	none	Score	.5
Exons	4340..4669		

Seq. No.	2840	Seq. ID	OJ991012_10.0127.C3
Gene No.	5973	Strand	+
Start	4780	End	5827
Name	OJ991012_10.0127.C3.o1.np	Method	AAT/NAP
Start	4780	End	5827
GI	5441890	Score	351
Exons	4780..4804, 5634..5827		
GI Descrip.	(AP000367) hypothetical protein [Oryza sativa]		

Seq. No.	2840	Seq. ID	OJ991012_10.0127.C3
Gene No.	5974	Strand	+
Start	9823	End	11611
Name	OJ991012_10.0127.C3.o4.np	Method	AAT/NAP
Start	9823	End	11611
GI	5441889	Score	1619
Exons	9823..10841, 11509..11611		
GI Descrip.	(AP000367) Similar to SEC7 protein, Saccharomyces cerevisiae, PIR2:S49764; Contains Immunoglobulins and major histocompatibility complex proteins signature. (AL022604) [Oryza sativa]		

Seq. No.	2840	Seq. ID	OJ991012_10.0127.C3
Gene No.	5975	Strand	-
Start	5600	End	10790
Name	OJ991012_10.0127.C3.o2.tm	Method	TBLASTX:Maize
Start	394	End	6112
GI	none	Score	51
Exons	394..420, 395..427, 426..518, 441..542, 518..544, 5929..6111, 5930..6112		

Seq. No.	2840	Seq. ID	OJ991012_10.0127.C3
Gene No.	5975	Strand	-
Start	5600	End	10790
Name	OJ991012_10.0127.C3.o4.gs	Method	GENSCAN
Start	5600	End	10790
GI	none	Score	.82
Exons	5600..5846, 7375..7654, 7939..8038, 9437..9510, 9685..9804, 9822..10790		

Seq. No.	2840	Seq. ID	OJ991012_10.0127.C3
Gene No.	5975	Strand	-
Start	5600	End	10790
Name	OJ991012_10.0127.C3.o2.np	Method	AAT/NAP
Start	5873	End	5984
GI	4678270	Score	103
Exons	5873..5984		
GI Descrip.	(AL049660) protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	2840	Seq. ID	OJ991012_10.0127.C3
Gene No.	5975	Strand	-

Start	5600	End	10790
Name	OJ991012_10.0127.C3.o1.gp	Method	AAT/GAP
Start	6984	End	7541
GI	uC-osrocyp011a02a1	Score	900
Exons	6984..7282, 7375..7541		
GI Descrip.	'4544453/gb|AAD22361.1|AC006592_18 4.0e-19 (AC006592) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	2840	Seq. ID	OJ991012_10.0127.C3
Gene No.	5975	Strand	-
Start	5600	End	10790
Name	OJ991012_10.0127.C3.o1.ts	Method	TBLASTX:Soybean
Start	7120	End	7592
GI	none	Score	79
Exons	7120..7299, 7205..7282, 7374..7592, 7375..7578		

Seq. No.	2840	Seq. ID	OJ991012_10.0127.C3
Gene No.	5975	Strand	-
Start	5600	End	10790
Name	OJ991012_10.0127.C3.o3.np	Method	AAT/NAP
Start	7183	End	9244
GI	4544453	Score	700
Exons	7183..7282, 7375..7731, 7810..7867, 7939..8038, 9203..9244		
GI Descrip.	(AC006592) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2840	Seq. ID	OJ991012_10.0127.C3
Gene No.	5975	Strand	-
Start	5600	End	10790
Name	OJ991012_10.0127.C3.o1.tm	Method	TBLASTX:Maize
Start	7202	End	8041
GI	none	Score	109
Exons	7202..7282, 7202..7282, 7207..7311, 7234..7311, 7374..7730, 7382..7738, 7383..7733, 7547..7738, 7808..7864, 7809..7868, 7809..7868, 7810..7869, 7881..8039, 7946..8041, 7949..8041		

Seq. No.	2840	Seq. ID	OJ991012_10.0127.C3
Gene No.	5975	Strand	-
Start	5600	End	10790
Name	OJ991012_10.0127.C3.o1.tc	Method	TBLASTX:Cress
Start	7586	End	8048
GI	none	Score	42
Exons	7586..7648, 7587..7730, 7654..7731, 7809..7883, 7816..7866, 7940..8038, 7941..8048		

Seq. No.	2840	Seq. ID	OJ991012_10.0127.C3
Gene No.	5975	Strand	-
Start	5600	End	10790
Name	OJ991012_10.0127.C3.o2.gp	Method	AAT/GAP
Start	7634	End	9508
GI	48689_1.R1084	Score	856
Exons	7634..7731, 7810..7867, 7939..8038, 9203..9268, 9350..9508		
GI Descrip.	'4544453/gb|AAD22361.1|AC006592_18 6.0e-30 (AC006592) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	2841	Seq. ID	OJ991012_10.0127.C4
Gene No.	5976	Strand	-
Start	300	End	355

Name	OJ991012_10.0127.C4.o1.gp	Method	AAT/GAP
Start	300	End	355
GI	uC-osflM202035b12b1	Score	79
Exons	300..355		
GI Descrip.	'140701/sp|P24198|YGIE_ECOLI 2.0e-11 HYPOTHETICAL 26.5 KD PROTEIN IN TOLC-RIBB INTERGENIC REGION (ORFB) (O265) >gi_96076_pir__S22363 hypothetical protein B - Escherichia coli >gi_146680 (M77129) ORFB [Escherichia coli] >gi_1789419 (AE000386) orf, hypothetical protein [Escherichia coli]'		

Seq. No.	2842	Seq. ID	OJ991012_10.0127.C5
Gene No.	5977	Strand	+
Start	1383	End	1682
Name	OJ991012_10.0127.C5.o1.gs	Method	GENSCAN
Start	1383	End	1682
GI	none	Score	.54
Exons	1383..1427, 1578..1682		

Seq. No.	2842	Seq. ID	OJ991012_10.0127.C5
Gene No.	5978	Strand	+
Start	9833	End	13010
Name	OJ991012_10.0127.C5.o4.gs	Method	GENSCAN
Start	9833	End	12680
GI	none	Score	.5
Exons	9833..10020, 11006..11166, 12121..12680		

Seq. No.	2842	Seq. ID	OJ991012_10.0127.C5
Gene No.	5978	Strand	+
Start	9833	End	13010
Name	OJ991012_10.0127.C5.o4.gp	Method	AAT/GAP
Start	11074	End	13010
GI	3279_2.R1084	Score	1930
Exons	11074..11135, 11226..11371, 12147..13010		
GI Descrip.	'2689720 6.0e-33 (AF037168) DnaJ homologue [Arabidopsis thaliana]'		

Seq. No.	2842	Seq. ID	OJ991012_10.0127.C5
Gene No.	5978	Strand	+
Start	9833	End	13010
Name	OJ991012_10.0127.C5.o2.np	Method	AAT/NAP
Start	12159	End	12677
GI	5031281	Score	561
Exons	12159..12677		
GI Descrip.	(AF139499) unknown [Prunus armeniaca]		

Seq. No.	2842	Seq. ID	OJ991012_10.0127.C5
Gene No.	5979	Strand	+
Start	14346	End	14743
Name	OJ991012_10.0127.C5.o5.gp	Method	AAT/GAP
Start	14346	End	14743
GI	none	Score	688
Exons	14346..14743		

Seq. No.	2842	Seq. ID	OJ991012_10.0127.C5
Gene No.	5980	Strand	-
Start	1	End	1392
Name	OJ991012_10.0127.C5.o1.gp	Method	AAT/GAP

Start	1	End	1392
GI	none	Score	710
Exons	1..84, 190..282, 394..452, 1244..1392		

Seq. No.	2842	Seq. ID	OJ991012_10.0127.C5
Gene No.	5981	Strand	-
Start	2845	End	3033
Name	OJ991012_10.0127.C5.o2.gp	Method	AAT/GAP
Start	2595	End	2682
GI	LIB3477-003-P1-K1-E9	Score	134
Exons	2595..2682		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	2842	Seq. ID	OJ991012_10.0127.C5
Gene No.	5981	Strand	-
Start	2845	End	3033
Name	OJ991012_10.0127.C5.o2.gs	Method	GENSCAN
Start	2845	End	3033
GI	none	Score	.79
Exons	2845..3033		

Seq. No.	2842	Seq. ID	OJ991012_10.0127.C5
Gene No.	5982	Strand	-
Start	3950	End	7232
Name	OJ991012_10.0127.C5.o3.ts	Method	TBLASTX:Soybean
Start	8	End	1308
GI	none	Score	75
Exons	8..85, 11..94, 190..285, 190..288, 191..286, 394..453, 394..453, 395..454, 1243..1308		

Seq. No.	2842	Seq. ID	OJ991012_10.0127.C5
Gene No.	5982	Strand	-
Start	3950	End	7232
Name	OJ991012_10.0127.C5.o3.tm	Method	TBLASTX:Maize
Start	3940	End	4591
GI	none	Score	76
Exons	3940..4029, 3940..4029, 3948..4031, 4029..4127, 4029..4124, 4031..4129, 4037..4165, 4255..4347, 4256..4351, 4517..4591, 4520..4591		

Seq. No.	2842	Seq. ID	OJ991012_10.0127.C5
Gene No.	5982	Strand	-
Start	3950	End	7232
Name	OJ991012_10.0127.C5.o1.np	Method	AAT/NAP
Start	3941	End	7212
GI	2689720	Score	677
Exons	3941..4165, 4261..4346, 4522..4604, 4712..4818, 4903..4962, 5043..5144, 5219..5317, 7114..7212		
GI Descrip.	(AF037168) DnaJ homologue [Arabidopsis thaliana]		

Seq. No.	2842	Seq. ID	OJ991012_10.0127.C5
Gene No.	5982	Strand	-
Start	3950	End	7232
Name	OJ991012_10.0127.C5.o3.gs	Method	GENSCAN
Start	3950	End	7212

GI	none	Score	.96
Exons	3950..4157, 4256..4346, 4522..4604, 4712..4818, 4903..4962, 5043..5144, 5219..5317, 7114..7212		

Seq. No.	2842	Seq. ID	OJ991012_10.0127.C5
Gene No.	5982	Strand	-
Start	3950	End	7232
Name	OJ991012_10.0127.C5.o1.tc	Method	TBLASTX:Cress
Start	4253	End	5326
GI	none	Score	104
Exons	4253..4378, 4255..4347, 4517..4669, 4521..4670, 4711..4821, 4712..4819, 4897..4953, 5038..5145, 5046..5147, 5219..5326, 5232..5315		

Seq. No.	2842	Seq. ID	OJ991012_10.0127.C5
Gene No.	5982	Strand	-
Start	3950	End	7232
Name	OJ991012_10.0127.C5.o2.ts	Method	TBLASTX:Soybean
Start	4742	End	5326
GI	none	Score	99
Exons	4742..4867, 4744..4821, 4897..4959, 5023..5145, 5046..5147, 5213..5308, 5217..5315, 5219..5326		

Seq. No.	2842	Seq. ID	OJ991012_10.0127.C5
Gene No.	5982	Strand	-
Start	3950	End	7232
Name	OJ991012_10.0127.C5.o3.gp	Method	AAT/GAP
Start	4770	End	7232
GI	2312476	Score	730
Exons	4770..4818, 4903..4962, 5043..5144, 5219..5317, 7114..7232		
GI Descrip.	2689720 6.0e-33 (AF037168) DnaJ homologue [Arabidopsis thaliana]		

Seq. No.	2842	Seq. ID	OJ991012_10.0127.C5
Gene No.	5982	Strand	-
Start	3950	End	7232
Name	OJ991012_10.0127.C5.o2.tm	Method	TBLASTX:Maize
Start	4907	End	5339
GI	none	Score	61
Exons	4907..4960, 4908..4961, 4908..4961, 4909..4965, 5041..5145, 5043..5147, 5044..5145, 5217..5339, 5219..5323		

Seq. No.	2842	Seq. ID	OJ991012_10.0127.C5
Gene No.	5983	Strand	
Start	12116	End	12995
Name	OJ991012_10.0127.C5.o1.tm	Method	TBLASTX:Maize
Start	12116	End	12995
GI	none	Score	332
Exons	12116..12352, 12141..12353, 12157..12369, 12158..12370, 12405..12686, 12417..12653, 12424..12693, 12425..12676, 12448..12687, 12690..12728, 12704..12727, 12787..12831, 12787..12831, 12855..12887, 12860..12886, 12883..12942, 12884..12943, 12945..12995, 12958..12993		

Seq. No.	2842	Seq. ID	OJ991012_10.0127.C5
Gene No.	5983	Strand	
Start	12116	End	12995
Name	OJ991012_10.0127.C5.o1.tw	Method	TBLASTX:Wheat

Start	12149	End	12548
GI	none	Score	319
Exons	12149..12358, 12156..12362, 12160..12369, 12161..12373, 12417..12476, 12448..12474, 12483..12548, 12485..12547		

Seq. No.	2842	Seq. ID	OJ991012_10.0127.C5
Gene No.	5983	Strand	
Start	12116	End	12995
Name	OJ991012_10.0127.C5.o1.ts	Method	TBLASTX:Soybean
Start	12159	End	12687
GI	none	Score	41
Exons	12159..12191, 12188..12337, 12189..12356, 12206..12370, 12444..12680, 12473..12682, 12474..12650, 12485..12676, 12520..12687		

Seq. No.	2842	Seq. ID	OJ991012_10.0127.C5
Gene No.	5983	Strand	
Start	12116	End	12995
Name	OJ991012_10.0127.C5.o2.tc	Method	TBLASTX:Cress
Start	12186	End	12680
GI	none	Score	115
Exons	12186..12323, 12405..12680, 12494..12661		

Seq. No.	2842	Seq. ID	OJ991012_10.0127.C5
Gene No.	5983	Strand	
Start	12116	End	12995
Name	OJ991012_10.0127.C5.o2.tw	Method	TBLASTX:Wheat
Start	12563	End	12899
GI	none	Score	183
Exons	12563..12676, 12564..12686, 12568..12678, 12569..12688, 12850..12897, 12852..12899		

Seq. No.	2842	Seq. ID	OJ991012_10.0127.C5
Gene No.	5984	Strand	
Start	14497	End	14743
Name	OJ991012_10.0127.C5.o4.tm	Method	TBLASTX:Maize
Start	14497	End	14743
GI	none	Score	130
Exons	14497..14613, 14498..14608, 14502..14615, 14502..14615, 14619..14654, 14621..14653, 14698..14742, 14699..14743		

Seq. No.	2843	Seq. ID	OJ991012_10.0127.C8
Gene No.	5985	Strand	+
Start	1	End	219
Name	OJ991012_10.0127.C8.o1.np	Method	AAT/NAP
Start	1	End	219
GI	5441892	Score	93
Exons	1..46, 168..219		
GI Descrip.	(AP000367) ESTs C96653(C10531),C96654(C10531),C28571(C61641) correspond to a region of the predicted gene.; Similar to citrate synthetase. (AC004521) [Oryza sativa]		

Seq. No.	2844	Seq. ID	OJ991012_10.0127.C9
Gene No.	5986	Strand	+
Start	6423	End	8362
Name	OJ991012_10.0127.C9.o3.gp	Method	AAT/GAP
Start	5920	End	7439

GI	uC-osrocyp036h10b1	Score	814
Exons	5920..6040, 6398..6501, 6925..7090, 7394..7439		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 4.0e-20 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	2844	Seq. ID	OJ991012_10.0127.C9
Gene No.	5986	Strand	+
Start	6423	End	8362
Name	OJ991012_10.0127.C9.o2.gs	Method	GENSCAN
Start	6423	End	8362
GI	none	Score	.88
Exons	6423..6501, 6925..7090, 7394..7595, 7689..7849, 7979..8072, 8150..8362		

Seq. No.	2844	Seq. ID	OJ991012_10.0127.C9
Gene No.	5987	Strand	+
Start	8851	End	8947
Name	OJ991012_10.0127.C9.o4.gp	Method	AAT/GAP
Start	8851	End	8947
GI	33112_1.R1084	Score	138
Exons	8851..8947		
GI Descrip.	'1363051/pir||A56534 2.0e-23 P58 protein - bovine >gi_468012 (U04631) PKR inhibitor P58 [Bos taurus]'		

Seq. No.	2844	Seq. ID	OJ991012_10.0127.C9
Gene No.	5988	Strand	-
Start	1	End	6483
Name	OJ991012_10.0127.C9.o1.gp	Method	AAT/GAP
Start	1	End	534
GI	23746_1.R1084	Score	623
Exons	1..150, 350..534		
GI Descrip.	'557474 6.0e-18 (U15179) ORF1 [Bacteroides ovatus]'		

Seq. No.	2844	Seq. ID	OJ991012_10.0127.C9
Gene No.	5988	Strand	-
Start	1	End	6483
Name	OJ991012_10.0127.C9.o1.np	Method	AAT/NAP
Start	1	End	3085
GI	5881940	Score	387
Exons	1..150, 350..560, 644..719, 805..884, 1420..1515, 1938..2009, 2107..2304, 2393..2596, 2691..3085		
GI Descrip.	(AL117387) putative secreted protein [Streptomyces coelicolor A3(2)]		

Seq. No.	2844	Seq. ID	OJ991012_10.0127.C9
Gene No.	5988	Strand	-
Start	1	End	6483
Name	OJ991012_10.0127.C9.o1.ts	Method	TBLASTX:Soybean
Start	42	End	887
GI	none	Score	51
Exons	42..110, 46..114, 93..137, 94..138, 346..393, 348..398, 348..572, 433..561, 438..566, 641..682, 641..688, 804..887, 805..885		

Seq. No.	2844	Seq. ID	OJ991012_10.0127.C9
Gene No.	5988	Strand	-
Start	1	End	6483

Name	OJ991012_10.0127.C9.o3.tm	Method	TBLASTX:Maize
Start	67	End	530
GI	none	Score	90
Exons	67..144, 69..137, 330..530, 334..522		

Seq. No.	2844	Seq. ID	OJ991012_10.0127.C9
Gene No.	5988	Strand	-
Start	1	End	6483
Name	OJ991012_10.0127.C9.o2.tc	Method	TBLASTX:Cress
Start	501	End	897
GI	none	Score	57
Exons	501..572, 505..573, 641..739, 642..740, 804..896, 805..897		

Seq. No.	2844	Seq. ID	OJ991012_10.0127.C9
Gene No.	5988	Strand	-
Start	1	End	6483
Name	OJ991012_10.0127.C9.o1.gs	Method	GENSCAN
Start	617	End	3301
GI	none	Score	.81
Exons	617..719, 805..884, 1420..1515, 2107..2304, 2393..2441, 2479..2596, 2691..3178, 3210..3301		

Seq. No.	2844	Seq. ID	OJ991012_10.0127.C9
Gene No.	5988	Strand	-
Start	1	End	6483
Name	OJ991012_10.0127.C9.o2.gp	Method	AAT/GAP
Start	821	End	2439
GI	9455_1.R1084	Score	803
Exons	821..884, 1420..1515, 1938..2009, 2107..2304, 2393..2439		
GI Descrip.	'416325/gb|U03454|PRS423 2.0e-15 Yeast episomal vector pRS423 with HIS3 marker, complete sequence'		

Seq. No.	2844	Seq. ID	OJ991012_10.0127.C9
Gene No.	5988	Strand	-
Start	1	End	6483
Name	OJ991012_10.0127.C9.o1.tm	Method	TBLASTX:Maize
Start	1420	End	2597
GI	none	Score	135
Exons	1420..1524, 1421..1537, 1422..1535, 1937..2011, 1938..2015, 1939..2001, 2106..2204, 2107..2205, 2107..2208, 2272..2307, 2273..2305, 2378..2497, 2393..2467, 2460..2597, 2461..2595		

Seq. No.	2844	Seq. ID	OJ991012_10.0127.C9
Gene No.	5988	Strand	-
Start	1	End	6483
Name	OJ991012_10.0127.C9.o1.tc	Method	TBLASTX:Cress
Start	1429	End	2847
GI	none	Score	78
Exons	1429..1524, 1430..1522, 1938..2015, 1945..1986, 2107..2232, 2108..2227, 2122..2229, 2369..2452, 2372..2479, 2382..2480, 2460..2603, 2461..2604, 2463..2660, 2689..2847		

Seq. No.	2844	Seq. ID	OJ991012_10.0127.C9
Gene No.	5988	Strand	-
Start	1	End	6483
Name	OJ991012_10.0127.C9.o2.ts	Method	TBLASTX:Soybean
Start	1444	End	2307

GI	none	Score	68
Exons	1444..1494, 1444..1524, 1937..2011, 1938..2015, 1942..1998, 2105..2206, 2107..2307, 2132..2305		

Seq. No.	2844	Seq. ID	OJ991012_10.0127.C9
Gene No.	5988	Strand	-
Start	1	End	6483
Name	OJ991012_10.0127.C9.o2.np	Method	AAT/NAP
Start	1994	End	6483
GI	5852180	Score	327
Exons	1994..2026, 5074..5541, 6397..6483		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	2844	Seq. ID	OJ991012_10.0127.C9
Gene No.	5989	Strand	
Start	6902	End	7560
Name	OJ991012_10.0127.C9.o1.tw	Method	TBLASTX:Wheat
Start	6902	End	7560
GI	none	Score	234
Exons	6902..7090, 6912..7109, 6930..7103, 7344..7559, 7375..7560, 7396..7560		

Seq. No.	2844	Seq. ID	OJ991012_10.0127.C9
Gene No.	5989	Strand	
Start	6902	End	7560
Name	OJ991012_10.0127.C9.o4.tm	Method	TBLASTX:Maize
Start	6912	End	7491
GI	none	Score	244
Exons	6912..7091, 6923..7093, 6924..7103, 6947..7102, 7344..7490, 7366..7491, 7399..7491		

Seq. No.	2844	Seq. ID	OJ991012_10.0127.C9
Gene No.	5990	Strand	
Start	7492	End	8230
Name	OJ991012_10.0127.C9.o2.tm	Method	TBLASTX:Maize
Start	7492	End	8201
GI	none	Score	131
Exons	7492..7596, 7494..7595, 7497..7637, 7505..7597, 7682..7849, 7686..7853, 7687..7851, 7976..8071, 7977..8102, 7977..8072, 8143..8199, 8150..8200, 8154..8201, 8154..8201		

Seq. No.	2844	Seq. ID	OJ991012_10.0127.C9
Gene No.	5990	Strand	
Start	7492	End	8230
Name	OJ991012_10.0127.C9.o3.tc	Method	TBLASTX:Cress
Start	7683	End	8230
GI	none	Score	92
Exons	7683..7853, 7685..7822, 7728..7850, 7976..8071, 7977..8072, 8122..8226, 8150..8230		

Seq. No.	2845	Seq. ID	OJ991012_10.0127.C10
Gene No.	5991	Strand	+
Start	588	End	9460
Name	OJ991012_10.0127.C10.o1.np	Method	AAT/NAP
Start	588	End	9460
GI	2494162	Score	161
Exons	588..812, 1136..1240, 9411..9460		

GI Descrip.	HYPOTHETICAL 39.9 KD PROTEIN T15H9.1 IN CHROMOSOME II PRECURSOR gi|3879803|emb|CAA87414.1| (Z47356) similar to DNAJ [Caenorhabditis elegans]		
Seq. No.	2845	Seq. ID	OJ991012_10.0127.C10
Gene No.	5991	Strand	+
Start	588	End	9460
Name	OJ991012_10.0127.C10.o1.gp	Method	AAT/GAP
Start	589	End	1596
GI	33112_1.R1084	Score	1307
Exons	589..812, 1136..1596		
GI Descrip.	'1363051/pir||A56534 2.0e-23 P58 protein - bovine >gi_468012 (U04631) PKR inhibitor P58 [Bos taurus]'		
Seq. No.	2845	Seq. ID	OJ991012_10.0127.C10
Gene No.	5991	Strand	+
Start	588	End	9460
Name	OJ991012_10.0127.C10.o1.gs	Method	GENSCAN
Start	597	End	4529
GI	none	Score	.62
Exons	597..812, 1136..1241, 1990..2198, 2594..2716, 2736..2883, 3798..4131, 4184..4529		
Seq. No.	2845	Seq. ID	OJ991012_10.0127.C10
Gene No.	5991	Strand	+
Start	588	End	9460
Name	OJ991012_10.0127.C10.o2.gs	Method	GENSCAN
Start	6690	End	8682
GI	none	Score	.71
Exons	6690..6714, 7058..7142, 7244..7413, 7847..8160, 8527..8682		
Seq. No.	2845	Seq. ID	OJ991012_10.0127.C10
Gene No.	5991	Strand	+
Start	588	End	9460
Name	OJ991012_10.0127.C10.o2.gp	Method	AAT/GAP
Start	7853	End	8576
GI	none	Score	696
Exons	7853..8160, 8527..8576		
Seq. No.	2845	Seq. ID	OJ991012_10.0127.C10
Gene No.	5992	Strand	-
Start	9373	End	11706
Name	OJ991012_10.0127.C10.o2.ts	Method	TBLASTX:Soybean
Start	590	End	9756
GI	none	Score	253
Exons	590..754, 591..755, 9661..9756		
Seq. No.	2845	Seq. ID	OJ991012_10.0127.C10
Gene No.	5992	Strand	-
Start	9373	End	11706
Name	OJ991012_10.0127.C10.o3.tm	Method	TBLASTX:Maize
Start	690	End	1507
GI	none	Score	204
Exons	690..815, 691..834, 691..813, 692..814, 1133..1192, 1134..1205, 1135..1209, 1210..1257, 1218..1280, 1223..1324, 1224..1313, 1316..1342, 1320..1343, 1475..1507		

Seq. No.	2845	Seq. ID	OJ991012_10.0127.C10
Gene No.	5992	Strand	-
Start	9373	End	11706
Name	OJ991012_10.0127.C10.o1.tm	Method	TBLASTX:Maize
Start	6287	End	7309
GI	none	Score	445
Exons	6287..6718, 6325..6714, 6333..6719, 7021..7140, 7021..7140, 7056..7142, 7241..7300, 7241..7309, 7242..7307		

Seq. No.	2845	Seq. ID	OJ991012_10.0127.C10
Gene No.	5992	Strand	-
Start	9373	End	11706
Name	OJ991012_10.0127.C10.o1.tc	Method	TBLASTX:Cress
Start	6338	End	6614
GI	none	Score	200
Exons	6338..6478, 6339..6494, 6367..6495, 6493..6597, 6495..6614, 6507..6596, 6509..6613		

Seq. No.	2845	Seq. ID	OJ991012_10.0127.C10
Gene No.	5992	Strand	-
Start	9373	End	11706
Name	OJ991012_10.0127.C10.o2.tc	Method	TBLASTX:Cress
Start	7062	End	7998
GI	none	Score	121
Exons	7062..7145, 7063..7146, 7235..7414, 7242..7415, 7842..7940, 7843..7938, 7939..7995, 7966..7998		

Seq. No.	2845	Seq. ID	OJ991012_10.0127.C10
Gene No.	5992	Strand	-
Start	9373	End	11706
Name	OJ991012_10.0127.C10.o1.ts	Method	TBLASTX:Soybean
Start	7248	End	8147
GI	none	Score	108
Exons	7248..7328, 7250..7330, 7328..7414, 7329..7415, 7834..7971, 7842..7976, 7843..7974, 8025..8147, 8035..8145		

Seq. No.	2845	Seq. ID	OJ991012_10.0127.C10
Gene No.	5992	Strand	-
Start	9373	End	11706
Name	OJ991012_10.0127.C10.o2.tm	Method	TBLASTX:Maize
Start	7884	End	8725
GI	none	Score	421
Exons	7884..8162, 7885..8160, 7888..8175, 7928..8176, 7934..8176, 8513..8689, 8526..8684, 8527..8691, 8686..8724, 8687..8725		

Seq. No.	2845	Seq. ID	OJ991012_10.0127.C10
Gene No.	5992	Strand	-
Start	9373	End	11706
Name	OJ991012_10.0127.C10.o3.tc	Method	TBLASTX:Cress
Start	8095	End	8679
GI	none	Score	101
Exons	8095..8160, 8526..8678, 8527..8679		

Seq. No.	2845	Seq. ID	OJ991012_10.0127.C10
Gene No.	5992	Strand	-
Start	9373	End	11706
Name	OJ991012_10.0127.C10.o2.np	Method	AAT/NAP

Start	9373	End	11706
GI	2865394	Score	169
Exons	9373..9604, 11451..11706		
GI Descrip.	(AF036949) basic leucine zipper protein [Zea mays]		

Seq. No.	2846	Seq. ID	OJ991012_10.0127.C11
Gene No.	5993	Strand	-
Start	1	End	6006
Name	OJ991012_10.0127.C11.o1.np	Method	AAT/NAP
Start	1	End	5998
GI	100099	Score	283
Exons	1..28, 1799..1993, 2021..2144, 2716..2796, 3229..3317, 5950..5998		
GI Descrip.	DNA-binding protein VBP1 - fava bean gi|1372966 (M81827) CREB-like protein [Vicia faba]		

Seq. No.	2846	Seq. ID	OJ991012_10.0127.C11
Gene No.	5993	Strand	-
Start	1	End	6006
Name	OJ991012_10.0127.C11.o1.ts	Method	TBLASTX:Soybean
Start	1770	End	3297
GI	none	Score	97
Exons	1770..1886, 1796..1996, 2018..2086, 2737..2796, 3229..3297		

Seq. No.	2846	Seq. ID	OJ991012_10.0127.C11
Gene No.	5993	Strand	-
Start	1	End	6006
Name	OJ991012_10.0127.C11.o1.tw	Method	TBLASTX:Wheat
Start	1779	End	2053
GI	none	Score	140
Exons	1779..1934, 1795..1908, 1796..2053		

Seq. No.	2846	Seq. ID	OJ991012_10.0127.C11
Gene No.	5993	Strand	-
Start	1	End	6006
Name	OJ991012_10.0127.C11.o1.tm	Method	TBLASTX:Maize
Start	1796	End	2101
GI	none	Score	110
Exons	1796..1969, 1800..1886, 1997..2101		

Seq. No.	2846	Seq. ID	OJ991012_10.0127.C11
Gene No.	5993	Strand	-
Start	1	End	6006
Name	OJ991012_10.0127.C11.o1.gs	Method	GENSCAN
Start	1799	End	4688
GI	none	Score	.72
Exons	1799..2097, 2552..2606, 2716..2796, 3229..3381, 3504..3739, 4613..4688		

Seq. No.	2846	Seq. ID	OJ991012_10.0127.C11
Gene No.	5993	Strand	-
Start	1	End	6006
Name	OJ991012_10.0127.C11.o1.gp	Method	AAT/GAP
Start	5553	End	6006
GI	none	Score	884
Exons	5553..6006		

Seq. No.	2847	Seq. ID	OJ991012_10.0127.C12
Gene No.	5994	Strand	+
Start	1032	End	8274
Name	OJ991012_10.0127.C12.o1.gs	Method	GENSCAN
Start	1032	End	7060
GI	none	Score	.54
Exons	1032..1100, 1837..1917, 4361..4450, 4587..4904, 5970..6110, 6809..7060		

Seq. No.	2847	Seq. ID	OJ991012_10.0127.C12
Gene No.	5994	Strand	+
Start	1032	End	8274
Name	OJ991012_10.0127.C12.o1.np	Method	AAT/NAP
Start	4332	End	8274
GI	6729532	Score	736
Exons	4332..4386, 4458..4882, 5981..6110, 6824..7199, 7857..7960, 8203..8274		
GI Descrip.	(AL132977) putative protein [Arabidopsis thaliana]		

Seq. No.	2847	Seq. ID	OJ991012_10.0127.C12
Gene No.	5994	Strand	+
Start	1032	End	8274
Name	OJ991012_10.0127.C12.o1.ts	Method	TBLASTX:Soybean
Start	4508	End	7960
GI	none	Score	72
Exons	4508..4558, 4758..4907, 4772..4897, 5967..6113, 5969..6076, 6808..6861, 6809..6862, 6851..7015, 6860..7030, 7118..7201, 7119..7202, 7856..7897, 7857..7904, 7889..7960, 7906..7959		

Seq. No.	2847	Seq. ID	OJ991012_10.0127.C12
Gene No.	5994	Strand	+
Start	1032	End	8274
Name	OJ991012_10.0127.C12.o1.tm	Method	TBLASTX:Maize
Start	4826	End	7963
GI	none	Score	132
Exons	4826..4906, 4827..4907, 5967..6113, 5971..6111, 6722..6766, 6798..7025, 6808..7026, 6809..7027, 6809..7027, 7035..7115, 7038..7091, 7098..7199, 7104..7202, 7106..7201, 7853..7903, 7857..7904, 7889..7963, 7906..7962		

Seq. No.	2848	Seq. ID	OJ991012_10.0127.C13
Gene No.	5995	Strand	+
Start	338	End	2084
Name	OJ991012_10.0127.C13.o1.tm	Method	TBLASTX:Maize
Start	333	End	979
GI	none	Score	131
Exons	333..536, 334..465, 334..537, 335..544, 884..907, 905..979		

Seq. No.	2848	Seq. ID	OJ991012_10.0127.C13
Gene No.	5995	Strand	+
Start	338	End	2084
Name	OJ991012_10.0127.C13.o1.tc	Method	TBLASTX:Cress
Start	334	End	1568
GI	none	Score	248
Exons	334..537, 335..562, 884..967, 1458..1568		

Seq. No.	2848	Seq. ID	OJ991012_10.0127.C13

Gene No.	5995	Strand	+
Start	338	End	2084
Name	OJ991012_10.0127.C13.o1.ts	Method	TBLASTX:Soybean
Start	334	End	1568
GI	none	Score	287
Exons	334..537, 335..544, 877..975, 884..973, 1467..1568		

Seq. No.	2848	Seq. ID	OJ991012_10.0127.C13
Gene No.	5995	Strand	+
Start	338	End	2084
Name	OJ991012_10.0127.C13.o1.gs	Method	GENSCAN
Start	338	End	1569
GI	none	Score	.75
Exons	338..541, 884..976, 1458..1569		

Seq. No.	2848	Seq. ID	OJ991012_10.0127.C13
Gene No.	5995	Strand	+
Start	338	End	2084
Name	OJ991012_10.0127.C13.o1.np	Method	AAT/NAP
Start	338	End	1604
GI	6729532	Score	328
Exons	338..550, 854..976, 1458..1604		
GI Descrip.	(AL132977) putative protein [Arabidopsis thaliana]		

Seq. No.	2848	Seq. ID	OJ991012_10.0127.C13
Gene No.	5995	Strand	+
Start	338	End	2084
Name	OJ991012_10.0127.C13.o1.gp	Method	AAT/GAP
Start	494	End	2084
GI	uC-osflcyp169f05b1	Score	446
Exons	494..541, 884..976, 1458..1569, 2031..2084		
GI Descrip.	'287938/emb|X54204|CVPRSET5C 6.0e-47 Cloning vector pRSET5c (pBluescript KS plus derivative)'		

Seq. No.	2849	Seq. ID	OJ991012_10.0127.C14
Gene No.	5996	Strand	+
Start	354	End	2510
Name	OJ991012_10.0127.C14.o1.gs	Method	GENSCAN
Start	354	End	2510
GI	none	Score	.51
Exons	354..419, 944..1070, 2434..2510		

Seq. No.	2849	Seq. ID	OJ991012_10.0127.C14
Gene No.	5996	Strand	+
Start	354	End	2510
Name	OJ991012_10.0127.C14.o1.gp	Method	AAT/GAP
Start	937	End	1219
GI	uC-osflcyp169f05b1	Score	483
Exons	937..1219		
GI Descrip.	'287938/emb|X54204|CVPRSET5C 6.0e-47 Cloning vector pRSET5c (pBluescript KS plus derivative)'		

Seq. No.	2849	Seq. ID	OJ991012_10.0127.C14
Gene No.	5997	Strand	-
Start	5114	End	5122
Name	OJ991012_10.0127.C14.o2.gs	Method	GENSCAN
Start	5114	End	5122

GI	none	Score	.79
Exons	5114..5122		

Seq. No.	2850	Seq. ID	OJ991012_10.0127.C15
Gene No.	5998	Strand	+
Start	1361	End	1562
Name	OJ991012_10.0127.C15.o1.gs	Method	GENSCAN
Start	1361	End	1562
GI	none	Score	.56
Exons	1361..1562		

Seq. No.	2850	Seq. ID	OJ991012_10.0127.C15
Gene No.	5999	Strand	+
Start	4901	End	5324
Name	OJ991012_10.0127.C15.o1.gp	Method	AAT/GAP
Start	4901	End	5324
GI	LIB3477-003-P1-K1-E9	Score	97
Exons	4901..4965, 5293..5324		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	2850	Seq. ID	OJ991012_10.0127.C15
Gene No.	6000	Strand	-
Start	2414	End	5181
Name	OJ991012_10.0127.C15.o1.np	Method	AAT/NAP
Start	2395	End	5181
GI	4678280	Score	640
Exons	2395..2848, 3650..3957, 4027..4324, 5140..5181		
GI Descrip.	(AL049660) zinc finger-like protein [Arabidopsis thaliana]		

Seq. No.	2850	Seq. ID	OJ991012_10.0127.C15
Gene No.	6000	Strand	-
Start	2414	End	5181
Name	OJ991012_10.0127.C15.o2.gs	Method	GENSCAN
Start	2414	End	2848
GI	none	Score	.46
Exons	2414..2848		

Seq. No.	2850	Seq. ID	OJ991012_10.0127.C15
Gene No.	6000	Strand	-
Start	2414	End	5181
Name	OJ991012_10.0127.C15.o1.ts	Method	TBLASTX:Soybean
Start	2522	End	3747
GI	none	Score	37
Exons	2522..2815, 2580..2615, 2691..2810, 2810..2851, 2826..2846, 3647..3703, 3715..3747		

Seq. No.	2850	Seq. ID	OJ991012_10.0127.C15
Gene No.	6000	Strand	-
Start	2414	End	5181
Name	OJ991012_10.0127.C15.o1.tm	Method	TBLASTX:Maize
Start	2699	End	3748
GI	none	Score	154
Exons	2699..2815, 2700..2816, 2810..2854, 2811..2852, 3647..3712, 3647..3703, 3689..3748, 3715..3747		

Seq. No.	2850	Seq. ID	OJ991012_10.0127.C15
Gene No.	6000	Strand	-
Start	2414	End	5181
Name	OJ991012_10.0127.C15.o3.gs	Method	GENSCAN
Start	3496	End	4386
GI	none	Score	.81
Exons	3496..4386		

Seq. No.	2851	Seq. ID	OJ991012_10.0127.C16
Gene No.	6001	Strand	-
Start	128	End	2031
Name	OJ991012_10.0127.C16.o1.gs	Method	GENSCAN
Start	128	End	2031
GI	none	Score	.44
Exons	128..297, 1786..1841, 1992..2031		

Seq. No.	2852	Seq. ID	OJ991012_10.0127.C17
Gene No.	6002	Strand	+
Start	259	End	323
Name	OJ991012_10.0127.C17.o1.gs	Method	GENSCAN
Start	259	End	323
GI	none	Score	.6
Exons	259..323		

Seq. No.	2853	Seq. ID	OJ991012_10.0127.C18
Gene No.	6003	Strand	+
Start	218	End	363
Name	OJ991012_10.0127.C18.o1.gs	Method	GENSCAN
Start	218	End	363
GI	none	Score	.83
Exons	218..363		

Seq. No.	2854	Seq. ID	OJ991012_10.0127.C20
Gene No.	6004	Strand	-
Start	1818	End	5899
Name	OJ991012_10.0127.C20.o1.gs	Method	GENSCAN
Start	1818	End	5899
GI	none	Score	.75
Exons	1818..1950, 3901..3983, 4218..4285, 4437..4616, 5878..5899		

Seq. No.	2855	Seq. ID	OJ991012_10.0127.C21
Gene No.	6005	Strand	+
Start	1297	End	6945
Name	OJ991012_10.0127.C21.o1.gp	Method	AAT/GAP
Start	1297	End	1929
GI	4715031	Score	888
Exons	1297..1763, 1857..1929		

Seq. No.	2855	Seq. ID	OJ991012_10.0127.C21
Gene No.	6005	Strand	+
Start	1297	End	6945
Name	OJ991012_10.0127.C21.o1.gs	Method	GENSCAN
Start	1385	End	3786
GI	none	Score	.74
Exons	1385..1763, 1859..2124, 2200..2458, 2899..3276, 3662..3786		

Seq. No.	2855	Seq. ID	OJ991012_10.0127.C21

Gene No.	6005	Strand	+
Start	1297	End	6945
Name	OJ991012_10.0127.C21.o1.np	Method	AAT/NAP
Start	1385	End	6942
GI	1495802	Score	2446
Exons	1385..1640, 1680..1763, 1859..2124, 2221..2458, 2899..3116, 3171..3276, 3662..3747, 5512..6942		
GI Descrip.	(X96405) 13-lipoxygenase [Solanum tuberosum]		

Seq. No.	2855	Seq. ID	OJ991012_10.0127.C21
Gene No.	6005	Strand	+
Start	1297	End	6945
Name	OJ991012_10.0127.C21.o2.gp	Method	AAT/GAP
Start	2007	End	2299
GI	LIB3432-010-P1-K1-D4	Score	348
Exons	2007..2124, 2221..2299		
GI Descrip.	'1495802/emb|CAA65268| 1.0e-16 (X96405) 13-lipoxygenase [Solanum tuberosum]'		

Seq. No.	2855	Seq. ID	OJ991012_10.0127.C21
Gene No.	6005	Strand	+
Start	1297	End	6945
Name	OJ991012_10.0127.C21.o2.gs	Method	GENSCAN
Start	5488	End	6945
GI	none	Score	.99
Exons	5488..6945		

Seq. No.	2855	Seq. ID	OJ991012_10.0127.C21
Gene No.	6006	Strand	-
Start	6717	End	7227
Name	OJ991012_10.0127.C21.o2.tm	Method	TBLASTX:Maize
Start	1574	End	2454
GI	none	Score	177
Exons	1574..1759, 1788..2036, 1789..2037, 2041..2124, 2046..2123, 2212..2409, 2220..2258, 2385..2411, 2398..2454, 2412..2450		

Seq. No.	2855	Seq. ID	OJ991012_10.0127.C21
Gene No.	6006	Strand	-
Start	6717	End	7227
Name	OJ991012_10.0127.C21.o1.tc	Method	TBLASTX:Cress
Start	1685	End	6945
GI	none	Score	74
Exons	1685..1759, 1914..2009, 1915..2016, 2047..2124, 2212..2307, 2302..2454, 2376..2441, 2922..3110, 3198..3278, 3634..3756, 3636..3755, 5505..5624, 5506..6222, 5721..6149, 6223..6558, 6384..6944, 6625..6945		

Seq. No.	2855	Seq. ID	OJ991012_10.0127.C21
Gene No.	6006	Strand	-
Start	6717	End	7227
Name	OJ991012_10.0127.C21.o1.ts	Method	TBLASTX:Soybean
Start	1921	End	6945
GI	none	Score	118
Exons	1921..2010, 1923..2003, 5620..5826, 5718..5825, 5842..6204, 5844..6134, 5851..6216, 6223..6558, 6231..6302, 6381..6941, 6628..6945		

Seq. No.	2855	Seq. ID	OJ991012_10.0127.C21
Gene No.	6006	Strand	-
Start	6717	End	7227
Name	OJ991012_10.0127.C21.o2.ts	Method	TBLASTX:Soybean
Start	2221	End	3068
GI	none	Score	298
Exons	2221..2454, 2388..2453, 2897..2998, 2898..3068		

Seq. No.	2855	Seq. ID	OJ991012_10.0127.C21
Gene No.	6006	Strand	-
Start	6717	End	7227
Name	OJ991012_10.0127.C21.o1.tm	Method	TBLASTX:Maize
Start	2897	End	6947
GI	none	Score	185
Exons	2897..3001, 2898..3050, 3033..3116, 3062..3115, 3063..3116, 3197..3274, 3198..3278, 3663..3755, 3664..3756, 5511..5579, 5512..5598, 5605..6558, 5610..5660, 5718..6149, 5824..6297, 6231..6578, 6588..6944, 6628..6945, 6853..6945, 6909..6947		

Seq. No.	2855	Seq. ID	OJ991012_10.0127.C21
Gene No.	6006	Strand	-
Start	6717	End	7227
Name	OJ991012_10.0127.C21.o1.tw	Method	TBLASTX:Wheat
Start	5713	End	6138
GI	none	Score	80
Exons	5713..5790, 5721..5852, 5857..6138, 5860..6138		

Seq. No.	2855	Seq. ID	OJ991012_10.0127.C21
Gene No.	6006	Strand	-
Start	6717	End	7227
Name	OJ991012_10.0127.C21.o2.tw	Method	TBLASTX:Wheat
Start	6199	End	6516
GI	none	Score	190
Exons	6199..6294, 6211..6411, 6405..6515, 6406..6516		

Seq. No.	2855	Seq. ID	OJ991012_10.0127.C21
Gene No.	6006	Strand	-
Start	6717	End	7227
Name	OJ991012_10.0127.C21.o3.gp	Method	AAT/GAP
Start	6717	End	7227
GI	1654_1.R1084	Score	995
Exons	6717..7227		
GI Descrip.	'5441896/dbj|BAA82394.1| 4.0e-30 (AP000367) ESTs D23521(C2939),C22481(C2939) correspond to a region of the predicted gene.; Similar to serine/threonine protein kinase like protein. (AL022140) [Oryza sativa]'		

Seq. No.	2856	Seq. ID	OJ991012_10.0127.C22
Gene No.	6007	Strand	-
Start	1	End	3137
Name	OJ991012_10.0127.C22.o1.gp	Method	AAT/GAP
Start	1	End	357
GI	2317427	Score	659
Exons	1..357		
GI Descrip.	5441896/dbj|BAA82394.1| 4.0e-30 (AP000367) ESTs D23521(C2939),C22481(C2939) correspond to a region of the predicted gene.; Similar to serine/threonine protein kinase like		

protein. (AL022140) [Oryza sativa]

Seq. No.	2856	Seq. ID	OJ991012_10.0127.C22
Gene No.	6007	Strand	-
Start	1	End	3137
Name	OJ991012_10.0127.C22.o1.np	Method	AAT/NAP
Start	79	End	3110
GI	5441896	Score	2104
Exons	79..357, 463..608, 844..1024, 1092..1231, 1931..2072, 2248..2519, 2949..3110		
GI Descrip.	(AP000367) ESTs D23521(C2939),C22481(C2939) correspond to a region of the predicted gene.; Similar to serine/threonine protein kinase like protein. (AL022140) [Oryza sativa]		

Seq. No.	2856	Seq. ID	OJ991012_10.0127.C22
Gene No.	6007	Strand	-
Start	1	End	3137
Name	OJ991012_10.0127.C22.o1.gs	Method	GENSCAN
Start	440	End	3110
GI	none	Score	.78
Exons	440..608, 844..1024, 1092..1251, 1468..1490, 2248..2519, 2949..3110		

Seq. No.	2856	Seq. ID	OJ991012_10.0127.C22
Gene No.	6007	Strand	-
Start	1	End	3137
Name	OJ991012_10.0127.C22.o1.ts	Method	TBLASTX:Soybean
Start	528	End	2522
GI	none	Score	66
Exons	528..614, 868..1032, 1055..1249, 1955..2071, 1967..2065, 2238..2522, 2239..2514		

Seq. No.	2856	Seq. ID	OJ991012_10.0127.C22
Gene No.	6007	Strand	-
Start	1	End	3137
Name	OJ991012_10.0127.C22.o2.gp	Method	AAT/GAP
Start	552	End	2014
GI	uC-osroM202025h03b1	Score	724
Exons	552..608, 868..1024, 1092..1231, 1931..2014		
GI Descrip.	'5441896/dbj|BAA82394.1| 3.0e-57 (AP000367) ESTs D23521(C2939),C22481(C2939) correspond to a region of the predicted gene.; Similar to serine/threonine protein kinase like protein. (AL022140) [Oryza sativa]'		

Seq. No.	2856	Seq. ID	OJ991012_10.0127.C22
Gene No.	6007	Strand	-
Start	1	End	3137
Name	OJ991012_10.0127.C22.o1.tm	Method	TBLASTX:Maize
Start	868	End	3137
GI	none	Score	136
Exons	868..1032, 1094..1249, 1955..2071, 2238..2522, 2239..2520, 2946..3137, 2947..3033		

Seq. No.	2856	Seq. ID	OJ991012_10.0127.C22
Gene No.	6007	Strand	-
Start	1	End	3137
Name	OJ991012_10.0127.C22.o1.tc	Method	TBLASTX:Cress

Start	1967	End	3066
GI	none	Score	126
Exons	1967..2071, 2238..2522, 2239..2520, 2946..3056, 2947..3066		

Seq. No.	2857	Seq. ID	OJ991012_10.0127.C23
Gene No.	6008	Strand	+
Start	6461	End	13018
Name	OJ991012_10.0127.C23.o3.gs	Method	GENSCAN
Start	6461	End	13018
GI	none	Score	.55
Exons	6461..6763, 6993..7022, 9083..13018		

Seq. No.	2857	Seq. ID	OJ991012_10.0127.C23
Gene No.	6008	Strand	+
Start	6461	End	13018
Name	OJ991012_10.0127.C23.o1.np	Method	AAT/NAP
Start	6470	End	13015
GI	5441895	Score	7201
Exons	6470..6763, 6993..7022, 9083..13015		
GI Descrip.	(AP000367) EST C96716(C10608) corresponds to a region of the predicted gene.; Similar to putative receptor protein kinase. (AC002334) [Oryza sativa]		

Seq. No.	2857	Seq. ID	OJ991012_10.0127.C23
Gene No.	6009	Strand	+
Start	15584	End	18295
Name	OJ991012_10.0127.C23.o2.np	Method	AAT/NAP
Start	15584	End	18295
GI	5441894	Score	445
Exons	15584..15689, 15787..15867, 17785..17876, 18261..18295		
GI Descrip.	(AP000367) EST AU030111(E50640) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2857	Seq. ID	OJ991012_10.0127.C23
Gene No.	6009	Strand	+
Start	15584	End	18295
Name	OJ991012_10.0127.C23.o4.gs	Method	GENSCAN
Start	15584	End	17876
GI	none	Score	.43
Exons	15584..15689, 15787..15906, 16769..16995, 17466..17682, 17785..17876		

Seq. No.	2857	Seq. ID	OJ991012_10.0127.C23
Gene No.	6010	Strand	-
Start	107	End	2737
Name	OJ991012_10.0127.C23.o1.gs	Method	GENSCAN
Start	107	End	2737
GI	none	Score	.72
Exons	107..312, 773..844, 1707..1812, 2644..2737		

Seq. No.	2857	Seq. ID	OJ991012_10.0127.C23
Gene No.	6011	Strand	-
Start	4176	End	5249
Name	OJ991012_10.0127.C23.o2.gs	Method	GENSCAN
Start	4176	End	5249
GI	none	Score	.93
Exons	4176..4200, 4511..4611, 5088..5249		

Seq. No.	2857	Seq. ID	OJ991012_10.0127.C23
Gene No.	6012	Strand	
Start	9158	End	12958
Name	OJ991012_10.0127.C23.o3.tw	Method	TBLASTX:Wheat
Start	9158	End	11725
GI	none	Score	63
Exons	9158..9256, 9269..9583, 9422..9733, 9500..9805, 9566..9877, 9577..9810, 9589..9738, 9638..9934, 9664..9906, 9695..10015, 9697..10026, 9773..10066, 9854..10162, 10013..10303, 10015..10179, 10337..10516, 10340..10528, 10421..10534, 10577..10801, 10706..10984, 10751..10894, 10988..11191, 11303..11431, 11309..11431, 11462..11710, 11468..11641, 11468..11725, 11470..11649, 11534..11659		

Seq. No.	2857	Seq. ID	OJ991012_10.0127.C23
Gene No.	6012	Strand	
Start	9158	End	12958
Name	OJ991012_10.0127.C23.o1.tc	Method	TBLASTX:Cress
Start	9203	End	12741
GI	none	Score	38
Exons	9203..9232, 9263..9745, 9266..9460, 9269..9439, 9269..9688, 9278..9892, 9278..9529, 9308..9604, 9314..9502, 9314..9934, 9341..9769, 9371..10045, 9389..9646, 9413..9820, 9437..10108, 9482..9892, 9485..9703, 9509..10180, 9521..9655, 9557..9775, 9557..9967, 9566..9754, 9574..9738, 9574..9675, 9578..10036, 9581..10252, 9592..9819, 9719..10108, 9727..9963, 9745..10035, 9755..10012, 9772..9981, 9773..10180, 9797..10324, 9845..10252, 9917..10162, 9926..10090, 9983..10324, 9989..10180, 9998..10159, 10058..10279, 10090..10179, 10097..10180, 10337..10534, 10337..10534, 10337..10531, 10340..10531, 10349..10534, 10361..10960, 10364..10534, 10370..10534, 10412..10534, 10571..10825, 10574..10969, 10577..10900, 10577..10969, 10586..10972, 10634..10963, 10769..10969, 10979..11191, 10988..11191, 11000..11191, 11000..11191, 11012..11143, 11015..11191, 11030..11191, 11030..11191, 11044..11202, 11266..11301, 11279..11320, 11297..11431, 11303..11431, 11303..11437, 11303..11431, 11303..11431, 11303..11431, 11312..11449, 11452..11637, 11468..11710, 11468..11710, 11468..11665, 11477..11659, 11492..11725, 11492..11659, 11492..11713, 11516..11707, 12110..12190, 12236..12547, 12421..12546, 12587..12724, 12589..12741		

Seq. No.	2857	Seq. ID	OJ991012_10.0127.C23
Gene No.	6012	Strand	
Start	9158	End	12958
Name	OJ991012_10.0127.C23.o2.ts	Method	TBLASTX:Soybean
Start	9275	End	11725
GI	none	Score	165
Exons	9275..9739, 9278..9751, 9278..9676, 9284..9823, 9314..9979, 9341..9754, 9371..10063, 9413..9823, 9437..10162, 9482..9895, 9557..9964, 9574..9819, 9581..10180, 9592..10179, 9629..10036, 9695..10111, 9754..9984, 9773..10180, 9797..10324, 9887..10012, 9917..10324, 9986..10180, 10229..10342, 10340..10531, 10358..10537, 10364..10534, 10571..10960, 10571..10846, 10577..10915, 10577..10969, 10577..10960, 10577..10777, 10649..10960, 10667..10786, 10697..10969, 10739..10870,		

10793..10969, 10979..11191, 10979..11191, 11030..11167,
11030..11191, 11030..11191, 11030..11191, 11078..11191,
11282..11431, 11303..11431, 11306..11431, 11321..11431,
11468..11725, 11468..11671, 11480..11722, 11489..11659,
11492..11659, 11492..11659, 11612..11722

Seq. No.	2857	Seq. ID	OJ991012_10.0127.C23
Gene No.	6012	Strand	
Start	9158	End	12958
Name	OJ991012_10.0127.C23.o3.tm	Method	TBLASTX:Maize
Start	9275	End	11710
GI	none	Score	192

Exons 9275..9745, 9278..9544, 9278..9478, 9350..9820, 9422..9913,
9422..9694, 9491..9745, 9499..9738, 9533..9838, 9565..10083,
9566..10036, 9578..9910, 9710..10180, 9782..10261, 9880..10107,
9959..10180, 9998..10324, 9998..10261, 10012..10260,
10024..10341, 10070..10324, 10229..10324, 10316..10531,
10340..10534, 10361..10531, 10364..10816, 10364..10531,
10364..10534, 10421..10537, 10435..10566, 10571..10969,
10577..10960, 10577..10762, 10634..10906, 10634..10969,
10660..10887, 10694..10960, 10700..10972, 10706..10960,
10732..10959, 10956..11021, 10979..11158, 11021..11194,
11030..11152, 11045..11191, 11303..11431, 11306..11431,
11309..11452, 11312..11452, 11321..11431, 11468..11671,
11480..11596, 11489..11659, 11537..11710

Seq. No.	2857	Seq. ID	OJ991012_10.0127.C23
Gene No.	6012	Strand	
Start	9158	End	12958
Name	OJ991012_10.0127.C23.o1.tm	Method	TBLASTX:Maize
Start	11981	End	12703
GI	none	Score	101

Exons 11981..12016, 12073..12180, 12074..12190, 12236..12703,
12241..12339, 12409..12702

Seq. No.	2857	Seq. ID	OJ991012_10.0127.C23
Gene No.	6012	Strand	
Start	9158	End	12958
Name	OJ991012_10.0127.C23.o1.ts	Method	TBLASTX:Soybean
Start	12029	End	12958
GI	none	Score	114

Exons 12029..12190, 12031..12183, 12236..12358, 12241..12336,
12392..12580, 12418..12579, 12580..12714, 12581..12718,
12760..12777, 12854..12958

Seq. No.	2857	Seq. ID	OJ991012_10.0127.C23
Gene No.	6012	Strand	
Start	9158	End	12958
Name	OJ991012_10.0127.C23.o2.tw	Method	TBLASTX:Wheat
Start	12392	End	12706
GI	none	Score	294

Exons 12392..12706, 12406..12705

Seq. No.	2857	Seq. ID	OJ991012_10.0127.C23
Gene No.	6013	Strand	
Start	16575	End	17879
Name	OJ991012_10.0127.C23.o2.tm	Method	TBLASTX:Maize

Start	16575	End	17576
GI	none	Score	290
Exons	16575..16793, 16577..16792, 16578..16793, 16579..16794, 16896..17000, 16899..16991, 16903..17001, 17463..17576, 17465..17575		

Seq. No.	2857	Seq. ID	OJ991012_10.0127.C23
Gene No.	6013	Strand	
Start	16575	End	17879
Name	OJ991012_10.0127.C23.o1.tw	Method	TBLASTX:Wheat
Start	16947	End	17879
GI	none	Score	70
Exons	16947..17000, 16951..17016, 17465..17683, 17493..17681, 17516..17683, 17787..17879, 17819..17872		

Seq. No.	2857	Seq. ID	OJ991012_10.0127.C23
Gene No.	6013	Strand	
Start	16575	End	17879
Name	OJ991012_10.0127.C23.o4.tm	Method	TBLASTX:Maize
Start	17576	End	17879
GI	none	Score	137
Exons	17576..17671, 17577..17672, 17577..17678, 17578..17673, 17787..17879, 17794..17874, 17814..17876, 17819..17878		

Seq. No.	2858	Seq. ID	OJ991012_10.0127.C24
Gene No.	6014	Strand	+
Start	199	End	771
Name	OJ991012_10.0127.C24.o1.gp	Method	AAT/GAP
Start	199	End	771
GI	51043_1.R1084	Score	1050
Exons	199..771		
GI Descrip.	'5441893/dbj|BAA82391.1| 2.0e-19 (AP000367) ESTs C99174(E10437),D22295(C10709) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana BAC genomic sequence. (AC005314) [Oryza sativa]'		

Seq. No.	2858	Seq. ID	OJ991012_10.0127.C24
Gene No.	6015	Strand	+
Start	3935	End	7424
Name	OJ991012_10.0127.C24.o2.np	Method	AAT/NAP
Start	3935	End	6041
GI	4678270	Score	94
Exons	3935..4045, 6021..6041		
GI Descrip.	(AL049660) protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	2858	Seq. ID	OJ991012_10.0127.C24
Gene No.	6015	Strand	+
Start	3935	End	7424
Name	OJ991012_10.0127.C24.o3.gp	Method	AAT/GAP
Start	4773	End	7424
GI	22228_1.R1084	Score	951
Exons	4773..4850, 5212..5292, 5384..5446, 5590..5631, 6258..6323, 6413..6478, 6969..7082, 7192..7260, 7398..7424		
GI Descrip.	'5441892/dbj|BAA82390.1| 4.0e-25 (AP000367) ESTs C96653(C10531),C96654(C10531),C28571(C61641) correspond to a region of the predicted gene.; Similar to citrate synthetase. (AC004521) [Oryza sativa]'		

Seq. No.	2858	Seq. ID	OJ991012_10.0127.C24
Gene No.	6015	Strand	+
Start	3935	End	7424
Name	OJ991012_10.0127.C24.o2.gs	Method	GENSCAN
Start	5242	End	7255
GI	none	Score	.82
Exons	5242..5292, 5384..5446, 6258..6323, 6969..7082, 7192..7255		

Seq. No.	2858	Seq. ID	OJ991012_10.0127.C24
Gene No.	6015	Strand	+
Start	3935	End	7424
Name	OJ991012_10.0127.C24.o3.np	Method	AAT/NAP
Start	5242	End	7424
GI	3128180	Score	440
Exons	5242..5292, 5381..5446, 5590..5631, 6258..6323, 6413..6478, 6969..7082, 7192..7255, 7389..7424		
GI Descrip.	(AC004521) citrate synthase [Arabidopsis thaliana]		

Seq. No.	2858	Seq. ID	OJ991012_10.0127.C24
Gene No.	6016	Strand	-
Start	484	End	2833
Name	OJ991012_10.0127.C24.o1.ts	Method	TBLASTX:Soybean
Start	467	End	2182
GI	none	Score	62
Exons	467..565, 490..564, 496..594, 497..598, 510..605, 518..604, 646..888, 661..891, 674..919, 948..1046, 989..1114, 989..1192, 994..1257, 994..1047, 1015..1086, 1187..1264, 2120..2182, 2120..2176, 2122..2181		

Seq. No.	2858	Seq. ID	OJ991012_10.0127.C24
Gene No.	6016	Strand	-
Start	484	End	2833
Name	OJ991012_10.0127.C24.o1.gs	Method	GENSCAN
Start	484	End	2833
GI	none	Score	.57
Exons	484..1255, 2763..2833		

Seq. No.	2858	Seq. ID	OJ991012_10.0127.C24
Gene No.	6016	Strand	-
Start	484	End	2833
Name	OJ991012_10.0127.C24.o1.np	Method	AAT/NAP
Start	487	End	2833
GI	5441893	Score	1558
Exons	487..1255, 2120..2180, 2764..2833		
GI Descrip.	(AP000367) ESTs C99174(E10437),D22295(C10709) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana BAC genomic sequence. (AC005314) [Oryza sativa]		

Seq. No.	2858	Seq. ID	OJ991012_10.0127.C24
Gene No.	6016	Strand	-
Start	484	End	2833
Name	OJ991012_10.0127.C24.o1.tm	Method	TBLASTX:Maize
Start	487	End	2183
GI	none	Score	67
Exons	487..588, 490..594, 491..598, 493..564, 649..888, 665..937, 704..898, 992..1102, 994..1101, 1003..1047, 1015..1086,		

1144..1257, 1169..1264, 1213..1257, 2121..2183, 2122..2181

Seq. No.	2858	Seq. ID	OJ991012_10.0127.C24
Gene No.	6016	Strand	-
Start	484	End	2833
Name	OJ991012_10.0127.C24.o1.tw	Method	TBLASTX:Wheat
Start	499	End	2151
GI	none	Score	258
Exons	499..564, 520..567, 934..1248, 987..1184, 994..1257, 1015..1086, 1169..1264, 2121..2150, 2122..2151		

Seq. No.	2858	Seq. ID	OJ991012_10.0127.C24
Gene No.	6016	Strand	-
Start	484	End	2833
Name	OJ991012_10.0127.C24.o2.gp	Method	AAT/GAP
Start	1751	End	2826
GI	uC-osrocyp017b02a1	Score	947
Exons	1751..2180, 2763..2826		
GI Descrip.	'5441893/dbj|BAA82391.1| 3.0e-16 (AP000367) ESTs C99174(E10437),D22295(C10709) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana BAC genomic sequence. (AC005314) [Oryza sativa]'		

Seq. No.	2858	Seq. ID	OJ991012_10.0127.C24
Gene No.	6017	Strand	
Start	3807	End	3990
Name	OJ991012_10.0127.C24.o2.tm	Method	TBLASTX:Maize
Start	3807	End	3990
GI	none	Score	232
Exons	3807..3989, 3807..3989, 3808..3990, 3811..3990		

Seq. No.	2858	Seq. ID	OJ991012_10.0127.C24
Gene No.	6018	Strand	
Start	5195	End	7265
Name	OJ991012_10.0127.C24.o3.tm	Method	TBLASTX:Maize
Start	5195	End	7265
GI	none	Score	89
Exons	5195..5296, 5203..5328, 5231..5293, 5257..5328, 5382..5447, 5383..5448, 5384..5446, 5387..5455, 5589..5636, 5590..5631, 6254..6325, 6255..6326, 6409..6477, 6413..6478, 6414..6479, 6959..7084, 6960..7031, 6966..7085, 6968..7084, 7189..7254, 7191..7265, 7191..7253		

Seq. No.	2858	Seq. ID	OJ991012_10.0127.C24
Gene No.	6018	Strand	
Start	5195	End	7265
Name	OJ991012_10.0127.C24.o1.tc	Method	TBLASTX:Cress
Start	5589	End	7250
GI	none	Score	68
Exons	5589..5636, 5590..5631, 6254..6325, 6255..6326, 6409..6477, 6413..6478, 6926..6994, 6960..6992, 6993..7025, 6995..7024, 7052..7084, 7197..7250		

Seq. No.	2859	Seq. ID	OJ991012_10.0127.C25
Gene No.	6019	Strand	+
Start	1	End	785
Name	OJ991012_10.0127.C25.o1.np	Method	AAT/NAP

Start	1	End	774
GI	5441892	Score	406
Exons	1..43, 199..254, 339..416, 516..644, 732..774		
GI Descrip.	(AP000367) ESTs C96653(C10531),C96654(C10531),C28571(C61641) correspond to a region of the predicted gene.; Similar to citrate synthetase. (AC004521) [Oryza sativa]		

Seq. No.	2859	Seq. ID	OJ991012_10.0127.C25
Gene No.	6019	Strand	+
Start	1	End	785
Name	OJ991012_10.0127.C25.o1.tc	Method	TBLASTX:Cress
Start	199	End	777
GI	none	Score	76
Exons	199..258, 204..272, 334..417, 712..774, 729..776, 730..777	339..416, 504..644, 514..645,	

Seq. No.	2859	Seq. ID	OJ991012_10.0127.C25
Gene No.	6019	Strand	+
Start	1	End	785
Name	OJ991012_10.0127.C25.o1.ts	Method	TBLASTX:Soybean
Start	199	End	777
GI	none	Score	74
Exons	199..258, 204..257, 336..419, 515..643, 522..644, 580..648,	337..417, 506..616, 514..645, 729..776, 730..777	

Seq. No.	2859	Seq. ID	OJ991012_10.0127.C25
Gene No.	6019	Strand	+
Start	1	End	785
Name	OJ991012_10.0127.C25.o1.tm	Method	TBLASTX:Maize
Start	199	End	785
GI	none	Score	84
Exons	199..258, 204..254, 334..417, 514..645, 521..643, 729..776,	339..416, 504..638, 506..643, 730..777, 732..785	

Seq. No.	2859	Seq. ID	OJ991012_10.0127.C25
Gene No.	6019	Strand	+
Start	1	End	785
Name	OJ991012_10.0127.C25.o1.gp	Method	AAT/GAP
Start	202	End	774
GI	22228_1.R1084	Score	513
Exons	202..254, 339..416, 516..644, 732..774		
GI Descrip.	'5441892/dbj|BAA82390.1| 4.0e-25 (AP000367) ESTs C96653(C10531),C96654(C10531),C28571(C61641) correspond to a region of the predicted gene.; Similar to citrate synthetase. (AC004521) [Oryza sativa]'		

Seq. No.	2860	Seq. ID	OJ991012_10.0127.C26
Gene No.	6020	Strand	-
Start	634	End	1053
Name	OJ991012_10.0127.C26.o1.tm	Method	TBLASTX:Maize
Start	619	End	816
GI	none	Score	83
Exons	619..732, 631..816, 635..760		

Seq. No.	2860	Seq. ID	OJ991012_10.0127.C26
Gene No.	6020	Strand	-
Start	634	End	1053

Name	OJ991012_10.0127.C26.o1.gs	Method	GENSCAN
Start	634	End	1053
GI	none	Score	.89
Exons	634..834, 926..1053		

Seq. No.	2861	Seq. ID	OJ991012_10.0127.C27
Gene No.	6021	Strand	-
Start	1145	End	1238
Name	OJ991012_10.0127.C27.o1.tm	Method	TBLASTX:Maize
Start	360	End	765
GI	none	Score	80
Exons	360..452, 375..440, 523..606, 659..763, 667..765	524..592, 529..603, 659..763,	

Seq. No.	2861	Seq. ID	OJ991012_10.0127.C27
Gene No.	6021	Strand	-
Start	1145	End	1238
Name	OJ991012_10.0127.C27.o1.ts	Method	TBLASTX:Soybean
Start	360	End	1182
GI	none	Score	124
Exons	360..452, 374..442, 523..606, 667..786, 1111..1182, 1112..1171	524..592, 659..784, 667..786,	

Seq. No.	2861	Seq. ID	OJ991012_10.0127.C27
Gene No.	6021	Strand	-
Start	1145	End	1238
Name	OJ991012_10.0127.C27.o1.tc	Method	TBLASTX:Cress
Start	372	End	1171
GI	none	Score	111
Exons	372..452, 374..442, 375..443, 664..786, 665..790, 667..786,	523..588, 524..592, 659..784, 1124..1171	

Seq. No.	2861	Seq. ID	OJ991012_10.0127.C27
Gene No.	6021	Strand	-
Start	1145	End	1238
Name	OJ991012_10.0127.C27.o1.gp	Method	AAT/GAP
Start	1145	End	1238
GI	none	Score	184
Exons	1145..1238		

Seq. No.	2862	Seq. ID	OJ991012_13.0128.C1
Gene No.	6022	Strand	+
Start	388	End	4646
Name	OJ991012_13.0128.C1.o1.np	Method	AAT/NAP
Start	388	End	4646
GI	4206306	Score	3113
Exons	388..471, 801..4646		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	2862	Seq. ID	OJ991012_13.0128.C1
Gene No.	6023	Strand	+
Start	7515	End	10680
Name	OJ991012_13.0128.C1.o6.tw	Method	TBLASTX:Wheat
Start	372	End	2792
GI	none	Score	53
Exons	372..455, 2582..2737, 2583..2738, 2586..2792		

Seq. No.	2862	Seq. ID	OJ991012_13.0128.C1
Gene No.	6023	Strand	+
Start	7515	End	10680
Name	OJ991012_13.0128.C1.o5.tw	Method	TBLASTX:Wheat
Start	945	End	1322
GI	none	Score	95
Exons	945..1094, 1134..1322, 1274..1321		

Seq. No.	2862	Seq. ID	OJ991012_13.0128.C1
Gene No.	6023	Strand	+
Start	7515	End	10680
Name	OJ991012_13.0128.C1.o1.tw	Method	TBLASTX:Wheat
Start	1551	End	1982
GI	none	Score	471
Exons	1551..1982, 1551..1946, 1553..1981		

Seq. No.	2862	Seq. ID	OJ991012_13.0128.C1
Gene No.	6023	Strand	+
Start	7515	End	10680
Name	OJ991012_13.0128.C1.o1.tm	Method	TBLASTX:Maize
Start	1655	End	2012
GI	none	Score	422
Exons	1655..2011, 1656..2012		

Seq. No.	2862	Seq. ID	OJ991012_13.0128.C1
Gene No.	6023	Strand	+
Start	7515	End	10680
Name	OJ991012_13.0128.C1.o2.tm	Method	TBLASTX:Maize
Start	2040	End	2423
GI	none	Score	396
Exons	2040..2423, 2150..2410		

Seq. No.	2862	Seq. ID	OJ991012_13.0128.C1
Gene No.	6023	Strand	+
Start	7515	End	10680
Name	OJ991012_13.0128.C1.o2.tw	Method	TBLASTX:Wheat
Start	2097	End	2486
GI	none	Score	407
Exons	2097..2486, 2120..2410		

Seq. No.	2862	Seq. ID	OJ991012_13.0128.C1
Gene No.	6023	Strand	+
Start	7515	End	10680
Name	OJ991012_13.0128.C1.o1.ts	Method	TBLASTX:Soybean
Start	2142	End	2542
GI	none	Score	250
Exons	2142..2483, 2192..2335, 2450..2542		

Seq. No.	2862	Seq. ID	OJ991012_13.0128.C1
Gene No.	6023	Strand	+
Start	7515	End	10680
Name	OJ991012_13.0128.C1.o3.tw	Method	TBLASTX:Wheat
Start	2792	End	3224
GI	none	Score	301
Exons	2792..2905, 2793..3224, 2939..3223		

Seq. No.	2862	Seq. ID	OJ991012_13.0128.C1

Gene No.	6023	Strand	+
Start	7515	End	10680
Name	OJ991012_13.0128.C1.o7.tm	Method	TBLASTX:Maize
Start	3159	End	3404
GI	none	Score	187
Exons	3159..3404, 3161..3364		

Seq. No.	2862	Seq. ID	OJ991012_13.0128.C1
Gene No.	6023	Strand	+
Start	7515	End	10680
Name	OJ991012_13.0128.C1.o4.tm	Method	TBLASTX:Maize
Start	3426	End	3692
GI	none	Score	221
Exons	3426..3692, 3533..3691		

Seq. No.	2862	Seq. ID	OJ991012_13.0128.C1
Gene No.	6023	Strand	+
Start	7515	End	10680
Name	OJ991012_13.0128.C1.o4.tw	Method	TBLASTX:Wheat
Start	3534	End	3923
GI	none	Score	248
Exons	3534..3923		

Seq. No.	2862	Seq. ID	OJ991012_13.0128.C1
Gene No.	6023	Strand	+
Start	7515	End	10680
Name	OJ991012_13.0128.C1.o3.tm	Method	TBLASTX:Maize
Start	3693	End	4055
GI	none	Score	380
Exons	3693..4055, 3785..4054		

Seq. No.	2862	Seq. ID	OJ991012_13.0128.C1
Gene No.	6023	Strand	+
Start	7515	End	10680
Name	OJ991012_13.0128.C1.o2.ts	Method	TBLASTX:Soybean
Start	3696	End	4070
GI	none	Score	96
Exons	3696..3839, 3725..3838, 3845..4063, 3846..4070		

Seq. No.	2862	Seq. ID	OJ991012_13.0128.C1
Gene No.	6023	Strand	+
Start	7515	End	10680
Name	OJ991012_13.0128.C1.o7.tw	Method	TBLASTX:Wheat
Start	4041	End	4637
GI	none	Score	99
Exons	4041..4160, 4188..4319, 4512..4637		

Seq. No.	2862	Seq. ID	OJ991012_13.0128.C1
Gene No.	6023	Strand	+
Start	7515	End	10680
Name	OJ991012_13.0128.C1.o5.tm	Method	TBLASTX:Maize
Start	4086	End	4328
GI	none	Score	202
Exons	4086..4328, 4091..4189, 4232..4327		

Seq. No.	2862	Seq. ID	OJ991012_13.0128.C1
Gene No.	6023	Strand	+

Start	7515	End	10680
Name	OJ991012_13.0128.C1.o6.tm	Method	TBLASTX:Maize
Start	4335	End	4595
GI	none	Score	190
Exons	4335..4595, 4403..4594		

Seq. No.	2862	Seq. ID	OJ991012_13.0128.C1
Gene No.	6023	Strand	+
Start	7515	End	10680
Name	OJ991012_13.0128.C1.o3.gs	Method	GENSCAN
Start	7515	End	10680
GI	none	Score	.81
Exons	7515..7709, 7731..7880, 7982..8155, 9053..9127, 9205..9331, 10517..10680		

Seq. No.	2863	Seq. ID	OJ991012_13.0128.C3
Gene No.	6024	Strand	+
Start	230	End	515
Name	OJ991012_13.0128.C3.o1.np	Method	AAT/NAP
Start	230	End	515
GI	6815097	Score	343
Exons	230..515		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	2863	Seq. ID	OJ991012_13.0128.C3
Gene No.	6024	Strand	+
Start	230	End	515
Name	OJ991012_13.0128.C3.o1.ts	Method	TBLASTX:Soybean
Start	249	End	512
GI	5509260	Score	176
Exons	249..512, 249..374		
GI Descrip.	-		

Seq. No.	2863	Seq. ID	OJ991012_13.0128.C3
Gene No.	6024	Strand	+
Start	230	End	515
Name	OJ991012_13.0128.C3.o1.tc	Method	TBLASTX:Cress
Start	252	End	512
GI	none	Score	174
Exons	252..512		

Seq. No.	2864	Seq. ID	OJ991012_13.0128.C4
Gene No.	6025	Strand	+
Start	1	End	885
Name	OJ991012_13.0128.C4.o1.np	Method	AAT/NAP
Start	1	End	885
GI	1346771	Score	438
Exons	1..185, 648..885		
GI Descrip.	PHOSPHOENOLPYRUVATE CARBOXYKINASE [ATP] gi|1086117|pir||S52988 phosphoenolpyruvate carboxykinase (PCK1) - Urochloa panicoides gi|607752 (U09241) phosphoenolpyruvate carboxykinase [Urochloa panicoides]		

Seq. No.	2864	Seq. ID	OJ991012_13.0128.C4
Gene No.	6025	Strand	+
Start	1	End	885

Name	OJ991012_13.0128.C4.o1.tm	Method	TBLASTX:Maize
Start	5	End	816
GI	none	Score	285
Exons	5..187, 15..188, 16..186, 649..816, 651..815		

Seq. No.	2864	Seq. ID	OJ991012_13.0128.C4
Gene No.	6025	Strand	+
Start	1	End	885
Name	OJ991012_13.0128.C4.o1.tc	Method	TBLASTX:Cress
Start	10	End	822
GI	none	Score	276
Exons	10..186, 10..189, 12..191, 633..821, 633..821, 646..822, 646..822		

Seq. No.	2864	Seq. ID	OJ991012_13.0128.C4
Gene No.	6025	Strand	+
Start	1	End	885
Name	OJ991012_13.0128.C4.o1.ts	Method	TBLASTX:Soybean
Start	15	End	822
GI	none	Score	284
Exons	15..185, 16..183, 645..815, 645..815, 646..822		

Seq. No.	2864	Seq. ID	OJ991012_13.0128.C4
Gene No.	6025	Strand	+
Start	1	End	885
Name	OJ991012_13.0128.C4.o1.gs	Method	GENSCAN
Start	115	End	816
GI	none	Score	.81
Exons	115..185, 648..816		

Seq. No.	2864	Seq. ID	OJ991012_13.0128.C4
Gene No.	6025	Strand	+
Start	1	End	885
Name	OJ991012_13.0128.C4.o1.gp	Method	AAT/GAP
Start	528	End	885
GI	20121_1.R1084	Score	694
Exons	528..885		
GI Descrip.	'1346771/sp|P49292|PPCK_UROPA 2.0e-21 PHOSPHOENOLPYRUVATE CARBOXYKINASE [ATP] >gi_1086117_pir__S52988 phosphoenolpyruvate carboxykinase (PCK1) - Urochloa panicoides >gi_607752 (U09241) phosphoenolpyruvate carboxykinase [Urochloa panicoides]'		

Seq. No.	2865	Seq. ID	OJ991012_13.0128.C5
Gene No.	6026	Strand	+
Start	975	End	1964
Name	OJ991012_13.0128.C5.o1.gs	Method	GENSCAN
Start	975	End	1964
GI	none	Score	.87
Exons	975..1041, 1819..1964		

Seq. No.	2865	Seq. ID	OJ991012_13.0128.C5
Gene No.	6027	Strand	-
Start	10	End	371
Name	OJ991012_13.0128.C5.o1.gp	Method	AAT/GAP
Start	10	End	371
GI	LIB3479-012-Q6-K1-C5	Score	604
Exons	10..371		

GI Descrip.	'6041757/gb|AC011806.1|AC011806 2.0e-21 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		
Seq. No.	2865	Seq. ID	OJ991012_13.0128.C5
Gene No.	6028	Strand	-
Start	1355	End	2219
Name	OJ991012_13.0128.C5.o2.gp	Method	AAT/GAP
Start	1355	End	2219
GI	20121_1.R1084	Score	627
Exons	1355..1787, 2165..2219		
GI Descrip.	'1346771/sp|P49292|PPCK_UROPA 2.0e-21 PHOSPHOENOLPYRUVATE CARBOXYKINASE [ATP] >gi_1086117_pir__S52988 phosphoenolpyruvate carboxykinase (PCK1) - Urochloa panicoides >gi_607752 (U09241) phosphoenolpyruvate carboxykinase [Urochloa panicoides]'		
Seq. No.	2865	Seq. ID	OJ991012_13.0128.C5
Gene No.	6029	Strand	-
Start	4055	End	9931
Name	OJ991012_13.0128.C5.o1.np	Method	AAT/NAP
Start	4055	End	9931
GI	2586082	Score	4186
Exons	4055..5401, 6898..9480, 9561..9931		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		
Seq. No.	2865	Seq. ID	OJ991012_13.0128.C5
Gene No.	6030	Strand	-
Start	11101	End	12863
Name	OJ991012_13.0128.C5.o2.np	Method	AAT/NAP
Start	11101	End	12863
GI	6815097	Score	1217
Exons	11101..11424, 11858..12301, 12440..12863		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		
Seq. No.	2865	Seq. ID	OJ991012_13.0128.C5
Gene No.	6031	Strand	-
Start	17168	End	17889
Name	OJ991012_13.0128.C5.o4.tm	Method	TBLASTX:Maize
Start	3171	End	8121
GI	none	Score	78
Exons	3171..3296, 7696..8055, 8032..8121		
Seq. No.	2865	Seq. ID	OJ991012_13.0128.C5
Gene No.	6031	Strand	-
Start	17168	End	17889
Name	OJ991012_13.0128.C5.o1.ts	Method	TBLASTX:Soybean
Start	4070	End	12046
GI	none	Score	152
Exons	4070..4702, 4104..4508, 4548..4700, 11864..12046		
Seq. No.	2865	Seq. ID	OJ991012_13.0128.C5
Gene No.	6031	Strand	-
Start	17168	End	17889
Name	OJ991012_13.0128.C5.o3.tc	Method	TBLASTX:Cress
Start	4079	End	4528
GI	none	Score	65

Exons	4079..4273, 4307..4429, 4439..4528		
Seq. No.	2865	Seq. ID	OJ991012_13.0128.C5
Gene No.	6031	Strand	-
Start	17168	End	17889
Name	OJ991012_13.0128.C5.o1.tm	Method	TBLASTX:Maize
Start	4112	End	4538
GI	none	Score	183
Exons	4112..4417, 4113..4400, 4401..4538, 4406..4534		
Seq. No.	2865	Seq. ID	OJ991012_13.0128.C5
Gene No.	6031	Strand	-
Start	17168	End	17889
Name	OJ991012_13.0128.C5.o1.tw	Method	TBLASTX:Wheat
Start	4466	End	12046
GI	none	Score	215
Exons	4466..4900, 4467..4901, 11864..12046		
Seq. No.	2865	Seq. ID	OJ991012_13.0128.C5
Gene No.	6031	Strand	-
Start	17168	End	17889
Name	OJ991012_13.0128.C5.o3.tm	Method	TBLASTX:Maize
Start	4544	End	12040
GI	none	Score	186
Exons	4544..4786, 4545..4787, 11870..12040		
Seq. No.	2865	Seq. ID	OJ991012_13.0128.C5
Gene No.	6031	Strand	-
Start	17168	End	17889
Name	OJ991012_13.0128.C5.o2.tm	Method	TBLASTX:Maize
Start	4895	End	12545
GI	none	Score	87
Exons	4895..5287, 5112..5264, 12462..12545		
Seq. No.	2865	Seq. ID	OJ991012_13.0128.C5
Gene No.	6031	Strand	-
Start	17168	End	17889
Name	OJ991012_13.0128.C5.o2.tw	Method	TBLASTX:Wheat
Start	4907	End	12821
GI	none	Score	59
Exons	4907..5089, 5075..5404, 5202..5261, 5286..5402, 12571..12675, 12582..12821, 12718..12780		
Seq. No.	2865	Seq. ID	OJ991012_13.0128.C5
Gene No.	6031	Strand	-
Start	17168	End	17889
Name	OJ991012_13.0128.C5.o2.ts	Method	TBLASTX:Soybean
Start	5097	End	12863
GI	5509260	Score	104
Exons	5097..5261, 5099..5410, 5301..5405, 6901..7098, 12474..12545, 12579..12863		
GI Descrip.	-		
Seq. No.	2865	Seq. ID	OJ991012_13.0128.C5
Gene No.	6031	Strand	-
Start	17168	End	17889
Name	OJ991012_13.0128.C5.o2.tc	Method	TBLASTX:Cress

Start	5201	End	12860
GI	none	Score	126
Exons	5201..5407, 5202..5402, 5207..5404, 6898..6957, 12600..12860		

Seq. No.	2865	Seq. ID	OJ991012_13.0128.C5
Gene No.	6031	Strand	-
Start	17168	End	17889
Name	OJ991012_13.0128.C5.o4.tw	Method	TBLASTX:Wheat
Start	7657	End	8010
GI	none	Score	273
Exons	7657..8010		

Seq. No.	2865	Seq. ID	OJ991012_13.0128.C5
Gene No.	6031	Strand	-
Start	17168	End	17889
Name	OJ991012_13.0128.C5.o1.tc	Method	TBLASTX:Cress
Start	7666	End	8130
GI	none	Score	318
Exons	7666..8130		

Seq. No.	2865	Seq. ID	OJ991012_13.0128.C5
Gene No.	6031	Strand	-
Start	17168	End	17889
Name	OJ991012_13.0128.C5.o3.ts	Method	TBLASTX:Soybean
Start	7684	End	8103
GI	none	Score	253
Exons	7684..8103		

Seq. No.	2865	Seq. ID	OJ991012_13.0128.C5
Gene No.	6031	Strand	-
Start	17168	End	17889
Name	OJ991012_13.0128.C5.o6.tm	Method	TBLASTX:Maize
Start	8605	End	8909
GI	none	Score	71
Exons	8605..8820, 8610..8822, 8614..8823, 8805..8909, 8824..8904		

Seq. No.	2865	Seq. ID	OJ991012_13.0128.C5
Gene No.	6031	Strand	-
Start	17168	End	17889
Name	OJ991012_13.0128.C5.o3.tw	Method	TBLASTX:Wheat
Start	8614	End	8988
GI	none	Score	46
Exons	8614..8820, 8616..8699, 8634..8822, 8635..8823, 8814..8951, 8814..8981, 8824..8988		

Seq. No.	2865	Seq. ID	OJ991012_13.0128.C5
Gene No.	6031	Strand	-
Start	17168	End	17889
Name	OJ991012_13.0128.C5.o6.tw	Method	TBLASTX:Wheat
Start	9213	End	17889
GI	none	Score	89
Exons	9213..9455, 9219..9410, 9250..9465, 9495..9533, 17833..17889		

Seq. No.	2865	Seq. ID	OJ991012_13.0128.C5
Gene No.	6031	Strand	-
Start	17168	End	17889
Name	OJ991012_13.0128.C5.o7.tm	Method	TBLASTX:Maize

Start	9336	End	9835
GI	none	Score	92
Exons	9336..9455, 9560..9721, 9701..9835		

Seq. No.	2865	Seq. ID	OJ991012_13.0128.C5
Gene No.	6031	Strand	-
Start	17168	End	17889
Name	OJ991012_13.0128.C5.o5.tw	Method	TBLASTX:Wheat
Start	9557	End	9904
GI	none	Score	192
Exons	9557..9904		

Seq. No.	2865	Seq. ID	OJ991012_13.0128.C5
Gene No.	6031	Strand	-
Start	17168	End	17889
Name	OJ991012_13.0128.C5.o3.np	Method	AAT/NAP
Start	17168	End	17616
GI	6069646	Score	575
Exons	17168..17616		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	2865	Seq. ID	OJ991012_13.0128.C5
Gene No.	6031	Strand	-
Start	17168	End	17889
Name	OJ991012_13.0128.C5.o5.tm	Method	TBLASTX:Maize
Start	17201	End	17617
GI	none	Score	92
Exons	17201..17380, 17417..17617, 17419..17616		

Seq. No.	2865	Seq. ID	OJ991012_13.0128.C5
Gene No.	6031	Strand	-
Start	17168	End	17889
Name	OJ991012_13.0128.C5.o7.tw	Method	TBLASTX:Wheat
Start	17294	End	17635
GI	none	Score	55
Exons	17294..17338, 17446..17613, 17462..17635		

Seq. No.	2866	Seq. ID	OJ991012_13.0128.C6
Gene No.	6032	Strand	+
Start	1	End	3889
Name	OJ991012_13.0128.C6.o1.np	Method	AAT/NAP
Start	1	End	3838
GI	6681341	Score	839
Exons	1..55, 134..345, 3023..3524, 3695..3838		
GI Descrip.	(AC015985) putative RING zinc finger protein [Arabidopsis thaliana] gi|6682260|gb|AAF23312.1|AC016661_37 (AC016661) unknown protein [Arabidopsis thaliana]		

Seq. No.	2866	Seq. ID	OJ991012_13.0128.C6
Gene No.	6032	Strand	+
Start	1	End	3889
Name	OJ991012_13.0128.C6.o1.gs	Method	GENSCAN
Start	2	End	3889

GI	none	Score	.63
Exons	2..345, 3023..3524, 3695..3889		

Seq. No.	2866	Seq. ID	OJ991012_13.0128.C6
Gene No.	6032	Strand	+
Start	1	End	3889
Name	OJ991012_13.0128.C6.o1.gp	Method	AAT/GAP
Start	286	End	3455
GI	uC-osflcyp031e10b1	Score	930
Exons	286..345, 3023..3455		
GI Descrip.	'4580717/gb|AAD24485.1|AF136161_1 5.0e-36 (AF136161) phosphoenolpyruvate carboxykinase 2 [Urochloa panicoides]'		

Seq. No.	2866	Seq. ID	OJ991012_13.0128.C6
Gene No.	6033	Strand	-
Start	4795	End	13875
Name	OJ991012_13.0128.C6.o2.gs	Method	GENSCAN
Start	4795	End	13875
GI	none	Score	.51
Exons	4795..4844, 5419..5637, 5736..5900, 6854..6916, 7973..8071, 8342..8390, 9004..9117, 9674..10387, 10422..10640, 10801..10918, 11626..11785, 11978..12065, 13133..13260, 13542..13712, 13818..13875		

Seq. No.	2866	Seq. ID	OJ991012_13.0128.C6
Gene No.	6033	Strand	-
Start	4795	End	13875
Name	OJ991012_13.0128.C6.o2.np	Method	AAT/NAP
Start	12490	End	13067
GI	3004480	Score	225
Exons	12490..13067		
GI Descrip.	(AJ228333) reverse transcriptase [Pinus elliottii]		

Seq. No.	2866	Seq. ID	OJ991012_13.0128.C6
Gene No.	6034	Strand	-
Start	14414	End	15988
Name	OJ991012_13.0128.C6.o2.ts	Method	TBLASTX:Soybean
Start	1	End	345
GI	none	Score	68
Exons	1..39, 2..40, 208..345, 209..343		

Seq. No.	2866	Seq. ID	OJ991012_13.0128.C6
Gene No.	6034	Strand	-
Start	14414	End	15988
Name	OJ991012_13.0128.C6.o2.tc	Method	TBLASTX:Cress
Start	209	End	3197
GI	none	Score	204
Exons	209..346, 211..345, 3020..3160, 3024..3197		

Seq. No.	2866	Seq. ID	OJ991012_13.0128.C6
Gene No.	6034	Strand	-
Start	14414	End	15988
Name	OJ991012_13.0128.C6.o4.tm	Method	TBLASTX:Maize
Start	209	End	3086
GI	none	Score	224
Exons	209..343, 209..343, 211..345, 214..345, 3009..3086, 3009..3086		

Seq. No.	2866	Seq. ID	OJ991012_13.0128.C6
Gene No.	6034	Strand	-
Start	14414	End	15988
Name	OJ991012_13.0128.C6.o1.ts	Method	TBLASTX:Soybean
Start	3023	End	3808
GI	none	Score	558
Exons	3023..3238, 3024..3524, 3036..3242, 3319..3513, 3329..3514, 3666..3761, 3694..3789, 3695..3808, 3695..3790		

Seq. No.	2866	Seq. ID	OJ991012_13.0128.C6
Gene No.	6034	Strand	-
Start	14414	End	15988
Name	OJ991012_13.0128.C6.o1.tm	Method	TBLASTX:Maize
Start	3087	End	3808
GI	none	Score	647
Exons	3087..3524, 3092..3523, 3669..3767, 3693..3806, 3694..3807, 3695..3808		

Seq. No.	2866	Seq. ID	OJ991012_13.0128.C6
Gene No.	6034	Strand	-
Start	14414	End	15988
Name	OJ991012_13.0128.C6.o1.tw	Method	TBLASTX:Wheat
Start	3098	End	3465
GI	none	Score	527
Exons	3098..3460, 3099..3464, 3112..3465, 3115..3465		

Seq. No.	2866	Seq. ID	OJ991012_13.0128.C6
Gene No.	6034	Strand	-
Start	14414	End	15988
Name	OJ991012_13.0128.C6.o1.tc	Method	TBLASTX:Cress
Start	3267	End	3793
GI	none	Score	176
Exons	3267..3467, 3329..3466, 3428..3481, 3444..3482, 3462..3524, 3479..3523, 3483..3524, 3663..3764, 3694..3789, 3695..3793, 3695..3793		

Seq. No.	2866	Seq. ID	OJ991012_13.0128.C6
Gene No.	6034	Strand	-
Start	14414	End	15988
Name	OJ991012_13.0128.C6.o3.tw	Method	TBLASTX:Wheat
Start	5341	End	8621
GI	none	Score	77
Exons	5341..5472, 5495..5545, 8289..8621, 8290..8445		

Seq. No.	2866	Seq. ID	OJ991012_13.0128.C6
Gene No.	6034	Strand	-
Start	14414	End	15988
Name	OJ991012_13.0128.C6.o3.tm	Method	TBLASTX:Maize
Start	8379	End	8850
GI	none	Score	75
Exons	8379..8456, 8478..8606, 8596..8850, 8690..8842		

Seq. No.	2866	Seq. ID	OJ991012_13.0128.C6
Gene No.	6034	Strand	-
Start	14414	End	15988
Name	OJ991012_13.0128.C6.o5.tm	Method	TBLASTX:Maize
Start	8891	End	9109

GI	none	Score	194
Exons	8891..9109		

Seq. No.	2866	Seq. ID	OJ991012_13.0128.C6
Gene No.	6034	Strand	-
Start	14414	End	15988
Name	OJ991012_13.0128.C6.o3.ts	Method	TBLASTX:Soybean
Start	8936	End	9452
GI	none	Score	88
Exons	8936..9025, 9095..9217, 9210..9452		

Seq. No.	2866	Seq. ID	OJ991012_13.0128.C6
Gene No.	6034	Strand	-
Start	14414	End	15988
Name	OJ991012_13.0128.C6.o4.tw	Method	TBLASTX:Wheat
Start	8936	End	9188
GI	none	Score	72
Exons	8936..9187, 9021..9188		

Seq. No.	2866	Seq. ID	OJ991012_13.0128.C6
Gene No.	6034	Strand	-
Start	14414	End	15988
Name	OJ991012_13.0128.C6.o2.tm	Method	TBLASTX:Maize
Start	12436	End	12784
GI	none	Score	218
Exons	12436..12504, 12499..12753, 12518..12754, 12532..12756, 12754..12780, 12761..12784		

Seq. No.	2866	Seq. ID	OJ991012_13.0128.C6
Gene No.	6034	Strand	-
Start	14414	End	15988
Name	OJ991012_13.0128.C6.o5.tw	Method	TBLASTX:Wheat
Start	12514	End	12807
GI	none	Score	138
Exons	12514..12750, 12518..12745, 12748..12807		

Seq. No.	2866	Seq. ID	OJ991012_13.0128.C6
Gene No.	6034	Strand	-
Start	14414	End	15988
Name	OJ991012_13.0128.C6.o2.tw	Method	TBLASTX:Wheat
Start	13124	End	13530
GI	none	Score	121
Exons	13124..13318, 13137..13301, 13300..13530		

Seq. No.	2866	Seq. ID	OJ991012_13.0128.C6
Gene No.	6034	Strand	-
Start	14414	End	15988
Name	OJ991012_13.0128.C6.o3.gs	Method	GENSCAN
Start	14414	End	15988
GI	none	Score	.65
Exons	14414..14818, 14928..15173, 15922..15988		

Seq. No.	2867	Seq. ID	OJ991012_13.0128.C9
Gene No.	6035	Strand	+
Start	180	End	363
Name	OJ991012_13.0128.C9.o2.gp	Method	AAT/GAP
Start	180	End	363

GI	3106541	Score	343
Exons	180..363		

Seq. No.	2867	Seq. ID	OJ991012_13.0128.C9
Gene No.	6036	Strand	-
Start	1	End	363
Name	OJ991012_13.0128.C9.o1.gp	Method	AAT/GAP
Start	1	End	76
GI	4878306	Score	152
Exons	1..76		
GI Descrip.	4580717/gb|AAD24485.1|AF136161_1 5.0e-36 (AF136161) phosphoenolpyruvate carboxykinase 2 [Urochloa panicoides]		

Seq. No.	2867	Seq. ID	OJ991012_13.0128.C9
Gene No.	6036	Strand	-
Start	1	End	363
Name	OJ991012_13.0128.C9.o1.tc	Method	TBLASTX:Cress
Start	1	End	233
GI	none	Score	217
Exons	1..219, 1..216, 3..233, 3..230		

Seq. No.	2867	Seq. ID	OJ991012_13.0128.C9
Gene No.	6036	Strand	-
Start	1	End	363
Name	OJ991012_13.0128.C9.o1.np	Method	AAT/NAP
Start	1	End	363
GI	4490732	Score	343
Exons	1..363		
GI Descrip.	(AL035709) phosphoenolpyruvate carboxykinase (ATP)-like protein [Arabidopsis thaliana]		

Seq. No.	2867	Seq. ID	OJ991012_13.0128.C9
Gene No.	6036	Strand	-
Start	1	End	363
Name	OJ991012_13.0128.C9.o1.ts	Method	TBLASTX:Soybean
Start	1	End	237
GI	none	Score	250
Exons	1..237, 1..222, 2..223, 3..230		

Seq. No.	2867	Seq. ID	OJ991012_13.0128.C9
Gene No.	6036	Strand	-
Start	1	End	363
Name	OJ991012_13.0128.C9.o1.tm	Method	TBLASTX:Maize
Start	1	End	243
GI	none	Score	248
Exons	1..243, 1..216, 3..230		

Seq. No.	2867	Seq. ID	OJ991012_13.0128.C9
Gene No.	6036	Strand	-
Start	1	End	363
Name	OJ991012_13.0128.C9.o1.gs	Method	GENSCAN
Start	20	End	216
GI	none	Score	.88
Exons	20..216		

Seq. No.	2868	Seq. ID	OJ991012_13.0128.C10
Gene No.	6037	Strand	+

Start	30	End	478
Name	OJ991012_13.0128.C10.o1.gp	Method	AAT/GAP
Start	30	End	478
GI	2275916	Score	600
Exons	30..171, 307..478		
GI Descrip.	1172571/sp|P42066|PPCK_CUCSA 6.0e-25 PHOSPHOENOLPYRUVATE CARBOXYKINASE [ATP] >gi_1076277_pir__S52637 phosphoenolpyruvate carboxykinase (ATP) (EC 4.1.1.49) - cucumber >gi_567102 (L31899) phosphoenolpyruvate carboxykinase [Cucumis sativus]		

Seq. No.	2868	Seq. ID	OJ991012_13.0128.C10
Gene No.	6038	Strand	-
Start	1	End	752
Name	OJ991012_13.0128.C10.o1.np	Method	AAT/NAP
Start	1	End	752
GI	2827717	Score	281
Exons	1..24, 117..204, 317..480, 717..752		
GI Descrip.	(AL021684) phosphoenolpyruvate carboxykinase (ATP) - like protein [Arabidopsis thaliana]		

Seq. No.	2868	Seq. ID	OJ991012_13.0128.C10
Gene No.	6038	Strand	-
Start	1	End	752
Name	OJ991012_13.0128.C10.o1.tc	Method	TBLASTX:Cress
Start	117	End	481
GI	none	Score	107
Exons	117..206, 118..204, 283..468, 284..481, 353..481		

Seq. No.	2868	Seq. ID	OJ991012_13.0128.C10
Gene No.	6038	Strand	-
Start	1	End	752
Name	OJ991012_13.0128.C10.o1.ts	Method	TBLASTX:Soybean
Start	117	End	481
GI	none	Score	116
Exons	117..206, 118..204, 283..468, 371..481		

Seq. No.	2868	Seq. ID	OJ991012_13.0128.C10
Gene No.	6038	Strand	-
Start	1	End	752
Name	OJ991012_13.0128.C10.o1.gs	Method	GENSCAN
Start	120	End	467
GI	none	Score	.89
Exons	120..204, 317..467		

Seq. No.	2869	Seq. ID	OJ991012_13.0128.C11
Gene No.	6039	Strand	-
Start	1204	End	1379
Name	OJ991012_13.0128.C11.o1.np	Method	AAT/NAP
Start	1204	End	1379
GI	4490732	Score	57
Exons	1204..1379		
GI Descrip.	(AL035709) phosphoenolpyruvate carboxykinase (ATP)-like protein [Arabidopsis thaliana]		

Seq. No.	2870	Seq. ID	OJ991012_13.0128.C13
Gene No.	6040	Strand	-
Start	56	End	676

Name	OJ991012_13.0128.C13.o1.gs	Method	GENSCAN
Start	56	End	633
GI	none	Score	.42
Exons	56..232, 283..633		

Seq. No.	2870	Seq. ID	OJ991012_13.0128.C13
Gene No.	6040	Strand	-
Start	56	End	676
Name	OJ991012_13.0128.C13.o1.np	Method	AAT/NAP
Start	65	End	676
GI	5487873	Score	289
Exons	65..676		
GI Descrip.	(AF110333) PrMC3 [Pinus radiata]		

Seq. No.	2870	Seq. ID	OJ991012_13.0128.C13
Gene No.	6040	Strand	-
Start	56	End	676
Name	OJ991012_13.0128.C13.o1.ts	Method	TBLASTX:Soybean
Start	75	End	676
GI	none	Score	68
Exons	75..173, 101..199, 214..405, 472..522, 505..615, 506..577, 619..675, 623..676		

Seq. No.	2870	Seq. ID	OJ991012_13.0128.C13
Gene No.	6040	Strand	-
Start	56	End	676
Name	OJ991012_13.0128.C13.o1.tc	Method	TBLASTX:Cress
Start	80	End	399
GI	none	Score	150
Exons	80..190, 214..399		

Seq. No.	2870	Seq. ID	OJ991012_13.0128.C13
Gene No.	6040	Strand	-
Start	56	End	676
Name	OJ991012_13.0128.C13.o1.tm	Method	TBLASTX:Maize
Start	371	End	676
GI	none	Score	43
Exons	371..418, 373..420, 373..420, 385..564, 404..577, 418..615, 524..676, 607..675		

Seq. No.	2871	Seq. ID	OJ991012_13.0128.C15
Gene No.	6041	Strand	-
Start	1	End	188
Name	OJ991012_13.0128.C15.o1.np	Method	AAT/NAP
Start	1	End	188
GI	3068786	Score	87
Exons	1..188		
GI Descrip.	(AF059041) RND pump protein [Helicobacter pylori]		

Seq. No.	2872	Seq. ID	OJ991012_13.0128.C16
Gene No.	6042	Strand	+
Start	1	End	567
Name	OJ991012_13.0128.C16.o1.np	Method	AAT/NAP
Start	1	End	567
GI	4185312	Score	390
Exons	1..567		
GI Descrip.	(AF090446) copia protein [Zea mays]		

Seq. No.	2872	Seq. ID	OJ991012_13.0128.C16
Gene No.	6043	Strand	+
Start	823	End	4359
Name	OJ991012_13.0128.C16.o1.gs	Method	GENSCAN
Start	823	End	4359
GI	none	Score	.5
Exons	823..903, 1270..1392, 2375..2723, 2985..3137, 4253..4359		

Seq. No.	2872	Seq. ID	OJ991012_13.0128.C16
Gene No.	6044	Strand	+
Start	7105	End	9339
Name	OJ991012_13.0128.C16.o3.np	Method	AAT/NAP
Start	7105	End	9339
GI	5441880	Score	166
Exons	7105..7405, 7504..7839, 9293..9339		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	2872	Seq. ID	OJ991012_13.0128.C16
Gene No.	6045	Strand	+
Start	11597	End	11852
Name	OJ991012_13.0128.C16.o2.gp	Method	AAT/GAP
Start	11597	End	11852
GI	61605_3.R1084	Score	429
Exons	11597..11852		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	2872	Seq. ID	OJ991012_13.0128.C16
Gene No.	6046	Strand	+
Start	12468	End	20635
Name	OJ991012_13.0128.C16.o4.np	Method	AAT/NAP
Start	12468	End	20635
GI	5852179	Score	559
Exons	12468..12488, 13476..13697, 13772..14011, 17470..17568, 20569..20635		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	2872	Seq. ID	OJ991012_13.0128.C16
Gene No.	6047	Strand	+
Start	25715	End	27501
Name	OJ991012_13.0128.C16.o6.np	Method	AAT/NAP
Start	25712	End	26427
GI	1666236	Score	324
Exons	25712..26427		
GI Descrip.	(U76261) unknown [Hordeum vulgare]		

Seq. No.	2872	Seq. ID	OJ991012_13.0128.C16
Gene No.	6047	Strand	+
Start	25715	End	27501
Name	OJ991012_13.0128.C16.o4.gs	Method	GENSCAN
Start	25715	End	27387
GI	none	Score	.69
Exons	25715..26597, 27093..27387		

Seq. No.	2872	Seq. ID	OJ991012_13.0128.C16
Gene No.	6047	Strand	+
Start	25715	End	27501
Name	OJ991012_13.0128.C16.o7.np	Method	AAT/NAP
Start	27026	End	27501
GI	2522230	Score	99
Exons	27026..27327, 27482..27501		
GI Descrip.	(AB007467) retrotransposon-like gene; the first amino acid was determined to be leucine [Vicia faba]		

Seq. No.	2872	Seq. ID	OJ991012_13.0128.C16
Gene No.	6048	Strand	-
Start	3354	End	3786
Name	OJ991012_13.0128.C16.o1.gp	Method	AAT/GAP
Start	3354	End	3786
GI	uC-osflcyp033a04b1	Score	386
Exons	3354..3379, 3572..3786		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	2872	Seq. ID	OJ991012_13.0128.C16
Gene No.	6049	Strand	-
Start	4252	End	6242
Name	OJ991012_13.0128.C16.o2.np	Method	AAT/NAP
Start	4252	End	6242
GI	6907087	Score	939
Exons	4252..4353, 4905..5498, 5859..6242		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2872	Seq. ID	OJ991012_13.0128.C16
Gene No.	6050	Strand	-
Start	12972	End	13056
Name	OJ991012_13.0128.C16.o3.gp	Method	AAT/GAP
Start	12972	End	13056
GI	61605_1.R1084	Score	103
Exons	12972..13056		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	2872	Seq. ID	OJ991012_13.0128.C16
Gene No.	6051	Strand	-
Start	21352	End	26290
Name	OJ991012_13.0128.C16.o1.tm	Method	TBLASTX:Maize
Start	109	End	579
GI	none	Score	222
Exons	109..321, 110..325, 363..410, 406..579, 408..578		

Seq. No.	2872	Seq. ID	OJ991012_13.0128.C16
Gene No.	6051	Strand	-
Start	21352	End	26290
Name	OJ991012_13.0128.C16.o1.ts	Method	TBLASTX:Soybean
Start	110	End	531
GI	none	Score	82
Exons	110..187, 209..325, 363..407, 460..531		

Seq. No.	2872	Seq. ID	OJ991012_13.0128.C16
Gene No.	6051	Strand	-
Start	21352	End	26290
Name	OJ991012_13.0128.C16.o1.tw	Method	TBLASTX:Wheat
Start	15807	End	26233
GI	none	Score	94
Exons	15807..15911, 25883..25996, 26015..26233		

Seq. No.	2872	Seq. ID	OJ991012_13.0128.C16
Gene No.	6051	Strand	-
Start	21352	End	26290
Name	OJ991012_13.0128.C16.o3.gs	Method	GENSCAN
Start	21352	End	22391
GI	none	Score	.51
Exons	21352..21434, 21950..22138, 22202..22391		

Seq. No.	2872	Seq. ID	OJ991012_13.0128.C16
Gene No.	6051	Strand	-
Start	21352	End	26290
Name	OJ991012_13.0128.C16.o2.ts	Method	TBLASTX:Soybean
Start	25883	End	26290
GI	none	Score	70
Exons	25883..25984, 26015..26290		

Seq. No.	2873	Seq. ID	OJ991012_13.0128.C17
Gene No.	6052	Strand	+
Start	53	End	1061
Name	OJ991012_13.0128.C17.o1.gs	Method	GENSCAN
Start	53	End	1061
GI	none	Score	.8
Exons	53..74, 159..351, 641..1061		

Seq. No.	2873	Seq. ID	OJ991012_13.0128.C17
Gene No.	6053	Strand	+
Start	2024	End	2386
Name	OJ991012_13.0128.C17.o2.gs	Method	GENSCAN
Start	2024	End	2386
GI	none	Score	.85
Exons	2024..2120, 2301..2386		

Seq. No.	2873	Seq. ID	OJ991012_13.0128.C17
Gene No.	6054	Strand	+
Start	3446	End	4793
Name	OJ991012_13.0128.C17.o1.np	Method	AAT/NAP
Start	3446	End	4793
GI	6815052	Score	80
Exons	3446..3587, 4758..4793		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	2873	Seq. ID	OJ991012_13.0128.C17
Gene No.	6055	Strand	-
Start	3157	End	6164
Name	OJ991012_13.0128.C17.o2.np	Method	AAT/NAP
Start	3157	End	4733
GI	6539588	Score	111
Exons	3157..3221, 4455..4733		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	2873	Seq. ID	OJ991012_13.0128.C17
Gene No.	6055	Strand	-
Start	3157	End	6164
Name	OJ991012_13.0128.C17.o3.gs	Method	GENSCAN
Start	4538	End	6164
GI	none	Score	.69
Exons	4538..4674, 5621..5736, 6031..6164		

Seq. No.	2874	Seq. ID	OJ991012_13.0128.C18
Gene No.	6056	Strand	+
Start	336	End	491
Name	OJ991012_13.0128.C18.o1.gs	Method	GENSCAN
Start	336	End	491
GI	none	Score	.51
Exons	336..491		

Seq. No.	2875	Seq. ID	OJ991112_05.0103.C1
Gene No.	6057	Strand	+
Start	10280	End	10719
Name	OJ991112_05.0103.C1.o1.gp	Method	AAT/GAP
Start	10280	End	10719
GI	4715238	Score	659
Exons	10280..10324, 10408..10719		

Seq. No.	2875	Seq. ID	OJ991112_05.0103.C1
Gene No.	6058	Strand	+
Start	25673	End	26082
Name	OJ991112_05.0103.C1.o5.gs	Method	GENSCAN
Start	25673	End	26082
GI	none	Score	.64
Exons	25673..25687, 25847..25885, 25939..26082		

Seq. No.	2875	Seq. ID	OJ991112_05.0103.C1
Gene No.	6059	Strand	+
Start	32457	End	32786
Name	OJ991112_05.0103.C1.o4.gp	Method	AAT/GAP
Start	32457	End	32786
GI	LIB3431-002-P1-N1-A10	Score	653
Exons	32457..32786		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	2875	Seq. ID	OJ991112_05.0103.C1
Gene No.	6060	Strand	-
Start	924	End	5832
Name	OJ991112_05.0103.C1.o1.gs	Method	GENSCAN
Start	924	End	5832
GI	none	Score	.79
Exons	924..1035, 1080..1171, 1266..1499, 1688..1746, 1784..1860, 5098..5157, 5275..5832		

Seq. No.	2875	Seq. ID	OJ991112_05.0103.C1
Gene No.	6061	Strand	-
Start	15169	End	19214
Name	OJ991112_05.0103.C1.o1.np	Method	AAT/NAP
Start	15169	End	16461

GI	6553935	Score	533
Exons	15169..16012, 16271..16461		
GI Descrip.	(AC011915) putative tRNA isopentenyl transferase [Arabidopsis thaliana]		

Seq. No.	2875	Seq. ID	OJ991112_05.0103.C1
Gene No.	6061	Strand	-
Start	15169	End	19214
Name	OJ991112_05.0103.C1.o3.gs	Method	GENSCAN
Start	16326	End	19214
GI	none	Score	.42
Exons	16326..16459, 16515..16656, 16923..17045, 19194..19214		

Seq. No.	2875	Seq. ID	OJ991112_05.0103.C1
Gene No.	6062	Strand	-
Start	28294	End	28379
Name	OJ991112_05.0103.C1.o3.gp	Method	AAT/GAP
Start	28294	End	28379
GI	LIB3477-003-P1-K1-E9	Score	129
Exons	28294..28379		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	2875	Seq. ID	OJ991112_05.0103.C1
Gene No.	6063	Strand	-
Start	33357	End	39077
Name	OJ991112_05.0103.C1.o2.np	Method	AAT/NAP
Start	31676	End	37573
GI	6692258	Score	933
Exons	31676..31708, 34048..34134, 34250..34542, 34620..34776, 34936..35093, 35139..35305, 35907..36039, 36138..36615, 36836..37311, 37358..37573		
GI Descrip.	(AC010870) unknown protein [Arabidopsis thaliana]		

Seq. No.	2875	Seq. ID	OJ991112_05.0103.C1
Gene No.	6063	Strand	-
Start	33357	End	39077
Name	OJ991112_05.0103.C1.o7.gs	Method	GENSCAN
Start	33357	End	37582
GI	none	Score	.89
Exons	33357..33452, 33529..33618, 34075..34134, 34250..34542, 34620..34776, 34936..35280, 35909..36039, 36138..36615, 36836..37582		

Seq. No.	2875	Seq. ID	OJ991112_05.0103.C1
Gene No.	6063	Strand	-
Start	33357	End	39077
Name	OJ991112_05.0103.C1.o1.tc	Method	TBLASTX:Cress
Start	34075	End	35269
GI	none	Score	48
Exons	34075..34137, 34088..34135, 34236..34304, 34249..34350, 34250..34546, 34344..34544, 34405..34545, 34618..34776, 34630..34734, 34721..34759, 34936..35085, 34985..35269, 35131..35268		

Seq. No.	2875	Seq. ID	OJ991112_05.0103.C1

Gene No.	6063	Strand	-
Start	33357	End	39077
Name	OJ991112_05.0103.C1.o1.ts	Method	TBLASTX:Soybean
Start	34250	End	35085
GI	none	Score	91
Exons	34250..34549, 34325..34543, 34344..34565, 34618..34776, 34939..35085		

Seq. No.	2875	Seq. ID	OJ991112_05.0103.C1
Gene No.	6063	Strand	-
Start	33357	End	39077
Name	OJ991112_05.0103.C1.o1.tm	Method	TBLASTX:Maize
Start	34311	End	34787
GI	none	Score	282
Exons	34311..34541, 34334..34546, 34344..34544, 34618..34767, 34619..34768, 34620..34766, 34620..34787, 34627..34767		

Seq. No.	2875	Seq. ID	OJ991112_05.0103.C1
Gene No.	6063	Strand	-
Start	33357	End	39077
Name	OJ991112_05.0103.C1.o1.tw	Method	TBLASTX:Wheat
Start	34371	End	34785
GI	none	Score	152
Exons	34371..34565, 34373..34549, 34618..34785		

Seq. No.	2875	Seq. ID	OJ991112_05.0103.C1
Gene No.	6063	Strand	-
Start	33357	End	39077
Name	OJ991112_05.0103.C1.o3.np	Method	AAT/NAP
Start	35122	End	39062
GI	6523547	Score	339
Exons	35122..35139, 37133..37701, 38943..39062		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	2875	Seq. ID	OJ991112_05.0103.C1
Gene No.	6063	Strand	-
Start	33357	End	39077
Name	OJ991112_05.0103.C1.o2.tm	Method	TBLASTX:Maize
Start	36136	End	36360
GI	none	Score	131
Exons	36136..36360, 36137..36328		

Seq. No.	2875	Seq. ID	OJ991112_05.0103.C1
Gene No.	6063	Strand	-
Start	33357	End	39077
Name	OJ991112_05.0103.C1.o8.gs	Method	GENSCAN
Start	38796	End	39077
GI	none	Score	.64
Exons	38796..39077		

Seq. No.	2876	Seq. ID	OJ991112_05.0103.C3
Gene No.	6064	Strand	+
Start	1	End	482
Name	OJ991112_05.0103.C3.o1.np	Method	AAT/NAP
Start	1	End	482
GI	4218127	Score	138

Exons	1..155, 463..482		
GI Descrip.	(AL035353) myosin heavy chain-like protein (fragment) [Arabidopsis thaliana]		

Seq. No.	2876	Seq. ID	OJ991112_05.0103.C3
Gene No.	6064	Strand	+
Start	1	End	482
Name	OJ991112_05.0103.C3.o1.gs	Method	GENSCAN
Start	26	End	155
GI	none	Score	.75
Exons	26..155		

Seq. No.	2877	Seq. ID	OJ991112_05.0103.C5
Gene No.	6065	Strand	+
Start	215	End	1786
Name	OJ991112_05.0103.C5.o1.gs	Method	GENSCAN
Start	215	End	1786
GI	none	Score	.88
Exons	215..377, 963..1247, 1288..1335, 1713..1786		

Seq. No.	2877	Seq. ID	OJ991112_05.0103.C5
Gene No.	6066	Strand	-
Start	34	End	4031
Name	OJ991112_05.0103.C5.o2.np	Method	AAT/NAP
Start	34	End	4031
GI	4680186	Score	214
Exons	34..287, 1119..1299, 1772..1833, 3857..4031		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	2877	Seq. ID	OJ991112_05.0103.C5
Gene No.	6066	Strand	-
Start	34	End	4031
Name	OJ991112_05.0103.C5.o1.np	Method	AAT/NAP
Start	93	End	4031
GI	4680183	Score	199
Exons	93..182, 790..860, 3971..4031		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	2877	Seq. ID	OJ991112_05.0103.C5
Gene No.	6066	Strand	-
Start	34	End	4031
Name	OJ991112_05.0103.C5.o2.gs	Method	GENSCAN
Start	2281	End	3860
GI	none	Score	.62
Exons	2281..2543, 3320..3380, 3735..3860		

Seq. No.	2878	Seq. ID	OJ991112_05.0103.C6
Gene No.	6067	Strand	+
Start	126	End	1354
Name	OJ991112_05.0103.C6.o1.gs	Method	GENSCAN
Start	126	End	1354
GI	none	Score	.79
Exons	126..305, 431..589, 814..1038, 1197..1354		

Seq. No.	2878	Seq. ID	OJ991112_05.0103.C6
Gene No.	6067	Strand	+
Start	126	End	1354

Name	OJ991112_05.0103.C6.o1.gp	Method	AAT/GAP
Start	700	End	1058
GI	2799559	Score	557
Exons	700..1058		

Seq. No.	2878	Seq. ID	OJ991112_05.0103.C6
Gene No.	6068	Strand	+
Start	5518	End	6727
Name	OJ991112_05.0103.C6.o3.gs	Method	GENSCAN
Start	5518	End	6727
GI	none	Score	.89
Exons	5518..5732, 5995..6727		

Seq. No.	2878	Seq. ID	OJ991112_05.0103.C6
Gene No.	6069	Strand	-
Start	9268	End	10635
Name	OJ991112_05.0103.C6.o1.tw	Method	TBLASTX:Wheat
Start	6247	End	6600
GI	none	Score	184
Exons	6247..6393, 6254..6439, 6287..6442, 6553..6600, 6554..6598		

Seq. No.	2878	Seq. ID	OJ991112_05.0103.C6
Gene No.	6069	Strand	-
Start	9268	End	10635
Name	OJ991112_05.0103.C6.o1.tm	Method	TBLASTX:Maize
Start	6248	End	6522
GI	none	Score	329
Exons	6248..6520, 6250..6522		

Seq. No.	2878	Seq. ID	OJ991112_05.0103.C6
Gene No.	6069	Strand	-
Start	9268	End	10635
Name	OJ991112_05.0103.C6.o4.gs	Method	GENSCAN
Start	9268	End	10635
GI	none	Score	.64
Exons	9268..9306, 10594..10635		

Seq. No.	2879	Seq. ID	OJ991012_08.0110.C1
Gene No.	6070	Strand	+
Start	3005	End	5602
Name	OJ991012_08.0110.C1.o2.gs	Method	GENSCAN
Start	3005	End	5602
GI	none	Score	.62
Exons	3005..3011, 3406..3590, 3729..3818, 4741..4979, 5072..5220, 5517..5602		

Seq. No.	2879	Seq. ID	OJ991012_08.0110.C1
Gene No.	6071	Strand	+
Start	6031	End	6412
Name	OJ991012_08.0110.C1.o1.gp	Method	AAT/GAP
Start	6031	End	6412
GI	uC-osflcyp033a04b1	Score	667
Exons	6031..6412		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	2879	Seq. ID	OJ991012_08.0110.C1

Gene No.	6072	Strand	+
Start	11622	End	13330
Name	OJ991012_08.0110.C1.o2.np	Method	AAT/NAP
Start	11595	End	13163
GI	1352681	Score	719
Exons	11595..12020, 12112..12441, 12567..12672, 12766..12916, 13000..13163		
GI Descrip.	PROTEIN PHOSPHATASE 2C (PP2C) gi|1076391|pir||S55457 phosphoprotein phosphatase (EC 3.1.3.16) 2C - Arabidopsis thaliana gi|633028|dbj|BAA07287| (D38109) protein phosphatase 2C [Arabidopsis thaliana] gi|6006880|gb|AAF00655.1|AC008153_7 (AC008153) protein phosphatase 2C (PP2C) [Arabidopsis thaliana]		

Seq. No.	2879	Seq. ID	OJ991012_08.0110.C1
Gene No.	6072	Strand	+
Start	11622	End	13330
Name	OJ991012_08.0110.C1.o4.gs	Method	GENSCAN
Start	11622	End	13148
GI	none	Score	.83
Exons	11622..12020, 12112..12441, 12507..12672, 12766..13148		

Seq. No.	2879	Seq. ID	OJ991012_08.0110.C1
Gene No.	6072	Strand	+
Start	11622	End	13330
Name	OJ991012_08.0110.C1.o4.gp	Method	AAT/GAP
Start	11920	End	12408
GI	uC-osrocyp034f02a1	Score	745
Exons	11920..12020, 12112..12408		
GI Descrip.	'1352681/sp|P49598|P2C4_ARATH 4.0e-17 PROTEIN PHOSPHATASE 2C (PP2C) >gi_1076391_pir__S55457 phosphoprotein phosphatase (EC 3.1.3.16) 2C - Arabidopsis thaliana >gi_633028_dbj_BAA07287_ (D38109) protein phosphatase 2C [Arabidopsis thaliana] >gi_6006880_gb_AAF00655.1_AC008153_7 (AC008153) protein phosphatase 2C (PP2C) [Arabidopsis thaliana]'		

Seq. No.	2879	Seq. ID	OJ991012_08.0110.C1
Gene No.	6072	Strand	+
Start	11622	End	13330
Name	OJ991012_08.0110.C1.o5.gp	Method	AAT/GAP
Start	12615	End	13330
GI	76129_1.R1084	Score	1149
Exons	12615..12672, 12766..13330		
GI Descrip.	'1352681/sp|P49598|P2C4_ARATH 2.0e-28 PROTEIN PHOSPHATASE 2C (PP2C) >gi_1076391_pir__S55457 phosphoprotein phosphatase (EC 3.1.3.16) 2C - Arabidopsis thaliana >gi_633028_dbj_BAA07287_ (D38109) protein phosphatase 2C [Arabidopsis thaliana] >gi_6006880_gb_AAF00655.1_AC008153_7 (AC008153) protein phosphatase 2C (PP2C) [Arabidopsis thaliana]'		

Seq. No.	2879	Seq. ID	OJ991012_08.0110.C1
Gene No.	6073	Strand	+
Start	18495	End	25556
Name	OJ991012_08.0110.C1.o6.gs	Method	GENSCAN
Start	18495	End	25556
GI	none	Score	.6
Exons	18495..18561, 20551..20621, 21777..21933, 22653..22808, 23127..23305, 23569..23638, 23715..23845, 24496..24603,		

24698..24791, 25291..25556

Seq. No.	2879	Seq. ID	OJ991012_08.0110.C1
Gene No.	6073	Strand	+
Start	18495	End	25556
Name	OJ991012_08.0110.C1.o3.np	Method	AAT/NAP
Start	21795	End	25342
GI	2642156	Score	463
Exons	21795..21933, 22653..22808, 23127..23305, 23391..23486, 23569..23648, 23725..23845, 24698..25342		
GI Descrip.	(AC003000) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2879	Seq. ID	OJ991012_08.0110.C1
Gene No.	6074	Strand	+
Start	28384	End	31782
Name	OJ991012_08.0110.C1.o8.gs	Method	GENSCAN
Start	28384	End	31741
GI	none	Score	.79
Exons	28384..28537, 29825..29986, 30323..30501, 31634..31741		

Seq. No.	2879	Seq. ID	OJ991012_08.0110.C1
Gene No.	6074	Strand	+
Start	28384	End	31782
Name	OJ991012_08.0110.C1.o4.np	Method	AAT/NAP
Start	29691	End	31061
GI	2642156	Score	349
Exons	29691..29986, 30323..30501, 30576..30671, 30763..30874, 30970..31061		
GI Descrip.	(AC003000) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	2879	Seq. ID	OJ991012_08.0110.C1
Gene No.	6074	Strand	+
Start	28384	End	31782
Name	OJ991012_08.0110.C1.o6.gp	Method	AAT/GAP
Start	30933	End	31782
GI	70939_1.R1084	Score	406
Exons	30933..31058, 31634..31782		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 2.0e-27 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	2879	Seq. ID	OJ991012_08.0110.C1
Gene No.	6075	Strand	-
Start	1	End	2020
Name	OJ991012_08.0110.C1.o1.np	Method	AAT/NAP
Start	1	End	1990
GI	6815072	Score	298
Exons	1..155, 264..644, 1896..1990		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	2879	Seq. ID	OJ991012_08.0110.C1
Gene No.	6075	Strand	-
Start	1	End	2020
Name	OJ991012_08.0110.C1.o1.gs	Method	GENSCAN
Start	19	End	2020
GI	none	Score	.68
Exons	19..94, 128..316, 985..1056, 1642..1710, 1802..1870, 1972..2020		

Seq. No.	2879	Seq. ID	OJ991012_08.0110.C1
Gene No.	6076	Strand	-
Start	5961	End	10486
Name	OJ991012_08.0110.C1.o3.gs	Method	GENSCAN
Start	5961	End	10486
GI	none	Score	.42
Exons	5961..6164, 7978..8038, 10311..10486		

Seq. No.	2879	Seq. ID	OJ991012_08.0110.C1
Gene No.	6077	Strand	-
Start	11637	End	11931
Name	OJ991012_08.0110.C1.o3.gp	Method	AAT/GAP
Start	11637	End	11931
GI	3762187	Score	558
Exons	11637..11931		

Seq. No.	2879	Seq. ID	OJ991012_08.0110.C1
Gene No.	6078	Strand	-
Start	13425	End	16796
Name	OJ991012_08.0110.C1.o5.gs	Method	GENSCAN
Start	13425	End	16796
GI	none	Score	.56
Exons	13425..13493, 13541..13578, 14014..14198, 15092..15208, 15379..15723, 16747..16796		

Seq. No.	2879	Seq. ID	OJ991012_08.0110.C1
Gene No.	6079	Strand	-
Start	26125	End	30498
Name	OJ991012_08.0110.C1.o3.tm	Method	TBLASTX:Maize
Start	24	End	535
GI	none	Score	85
Exons	24..305, 31..99, 308..484, 488..535		

Seq. No.	2879	Seq. ID	OJ991012_08.0110.C1
Gene No.	6079	Strand	-
Start	26125	End	30498
Name	OJ991012_08.0110.C1.o2.tm	Method	TBLASTX:Maize
Start	11698	End	12231
GI	none	Score	94
Exons	11698..11820, 11702..11818, 11743..11826, 11750..11821, 11822..12022, 11886..12026, 11889..12023, 12111..12230, 12112..12231, 12139..12231		

Seq. No.	2879	Seq. ID	OJ991012_08.0110.C1
Gene No.	6079	Strand	-
Start	26125	End	30498
Name	OJ991012_08.0110.C1.o1.ts	Method	TBLASTX:Soybean
Start	11849	End	12913
GI	none	Score	128
Exons	11849..11962, 11877..11960, 11976..12026, 11978..12022, 12111..12158, 12112..12168, 12256..12303, 12313..12441, 12564..12677, 12564..12668, 12599..12676, 12764..12913, 12765..12899		

Seq. No.	2879	Seq. ID	OJ991012_08.0110.C1
Gene No.	6079	Strand	-

Start	26125	End	30498
Name	OJ991012_08.0110.C1.o1.tc	Method	TBLASTX:Cress
Start	11880	End	13139
GI	none	Score	113
Exons	11880..11990, 11970..12026, 11984..12022, 12108..12182, 12193..12249, 12313..12441, 12564..12677, 12602..12676, 12764..12916, 12765..12929, 13029..13139, 13043..13081		

Seq. No.	2879	Seq. ID	OJ991012_08.0110.C1
Gene No.	6079	Strand	-
Start	26125	End	30498
Name	OJ991012_08.0110.C1.o1.tw	Method	TBLASTX:Wheat
Start	12378	End	12924
GI	none	Score	100
Exons	12378..12440, 12379..12441, 12541..12669, 12564..12677, 12564..12668, 12599..12676, 12764..12916, 12765..12923, 12765..12917, 12838..12924		

Seq. No.	2879	Seq. ID	OJ991012_08.0110.C1
Gene No.	6079	Strand	-
Start	26125	End	30498
Name	OJ991012_08.0110.C1.o1.tm	Method	TBLASTX:Maize
Start	12378	End	12962
GI	none	Score	91
Exons	12378..12440, 12379..12441, 12564..12677, 12564..12725, 12764..12916, 12765..12962, 12838..12924		

Seq. No.	2879	Seq. ID	OJ991012_08.0110.C1
Gene No.	6079	Strand	-
Start	26125	End	30498
Name	OJ991012_08.0110.C1.o4.tm	Method	TBLASTX:Maize
Start	23141	End	30498
GI	none	Score	208
Exons	23141..23296, 23143..23301, 23143..23301, 29913..29987, 30334..30495, 30337..30498, 30380..30496		

Seq. No.	2879	Seq. ID	OJ991012_08.0110.C1
Gene No.	6079	Strand	-
Start	26125	End	30498
Name	OJ991012_08.0110.C1.o5.tm	Method	TBLASTX:Maize
Start	24690	End	25270
GI	none	Score	112
Exons	24690..24848, 24698..24916, 24698..24889, 25181..25270		

Seq. No.	2879	Seq. ID	OJ991012_08.0110.C1
Gene No.	6079	Strand	-
Start	26125	End	30498
Name	OJ991012_08.0110.C1.o7.gs	Method	GENSCAN
Start	26125	End	27186
GI	none	Score	.94
Exons	26125..26156, 27045..27186		

Seq. No.	2880	Seq. ID	OJ991012_08.0110.C3
Gene No.	6080	Strand	+
Start	2362	End	2416
Name	OJ991012_08.0110.C3.o1.gp	Method	AAT/GAP
Start	2362	End	2416

GI	LIB3431-030-P1-N1-G8	Score	85
Exons	2362..2416		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	2880	Seq. ID	OJ991012_08.0110.C3
Gene No.	6081	Strand	+
Start	3893	End	4627
Name	OJ991012_08.0110.C3.o2.gp	Method	AAT/GAP
Start	3893	End	4627
GI	101153_1.R1084	Score	576
Exons	3893..4082, 4399..4627		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	2880	Seq. ID	OJ991012_08.0110.C3
Gene No.	6082	Strand	+
Start	4645	End	5074
Name	OJ991012_08.0110.C3.o3.gp	Method	AAT/GAP
Start	4645	End	5074
GI	2428185	Score	801
Exons	4645..5074		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	2880	Seq. ID	OJ991012_08.0110.C3
Gene No.	6083	Strand	+
Start	11426	End	12896
Name	OJ991012_08.0110.C3.o3.gs	Method	GENSCAN
Start	11426	End	12896
GI	none	Score	.48
Exons	11426..11468, 12577..12896		

Seq. No.	2880	Seq. ID	OJ991012_08.0110.C3
Gene No.	6084	Strand	-
Start	475	End	928
Name	OJ991012_08.0110.C3.o1.gs	Method	GENSCAN
Start	475	End	928
GI	none	Score	.45
Exons	475..569, 738..928		

Seq. No.	2880	Seq. ID	OJ991012_08.0110.C3
Gene No.	6085	Strand	-
Start	1604	End	10177
Name	OJ991012_08.0110.C3.o2.gs	Method	GENSCAN
Start	1604	End	10177
GI	none	Score	.57
Exons	1604..1873, 2443..2559, 3641..3738, 3869..4113, 5321..5396, 5994..6135, 6221..6541, 6930..7176, 7289..7405, 8001..8127, 8181..8771, 9097..10177		

Seq. No.	2880	Seq. ID	OJ991012_08.0110.C3
Gene No.	6085	Strand	-
Start	1604	End	10177
Name	OJ991012_08.0110.C3.o2.np	Method	AAT/NAP
Start	3675	End	10066
GI	5441880	Score	1687

Exons	3675..3701, 7252..7391, 7994..8319, 8578..8609, 9055..10066		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	2880	Seq. ID	OJ991012_08.0110.C3
Gene No.	6085	Strand	-
Start	1604	End	10177
Name	OJ991012_08.0110.C3.o1.np	Method	AAT/NAP
Start	3863	End	5320
GI	5852180	Score	326
Exons	3863..4232, 5243..5320		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	2880	Seq. ID	OJ991012_08.0110.C3
Gene No.	6085	Strand	-
Start	1604	End	10177
Name	OJ991012_08.0110.C3.o4.gp	Method	AAT/GAP
Start	5602	End	5858
GI	61605_3.R1084	Score	448
Exons	5602..5858		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	2880	Seq. ID	OJ991012_08.0110.C3
Gene No.	6086	Strand	-
Start	15827	End	17670
Name	OJ991012_08.0110.C3.o2.tw	Method	TBLASTX:Wheat
Start	737	End	949
GI	none	Score	132
Exons	737..949, 791..916		

Seq. No.	2880	Seq. ID	OJ991012_08.0110.C3
Gene No.	6086	Strand	-
Start	15827	End	17670
Name	OJ991012_08.0110.C3.o1.tw	Method	TBLASTX:Wheat
Start	8827	End	9205
GI	none	Score	57
Exons	8827..8886, 8851..8979, 8864..9001, 8934..9002, 9026..9202, 9051..9203, 9056..9205		

Seq. No.	2880	Seq. ID	OJ991012_08.0110.C3
Gene No.	6086	Strand	-
Start	15827	End	17670
Name	OJ991012_08.0110.C3.o1.tm	Method	TBLASTX:Maize
Start	8903	End	9499
GI	none	Score	216
Exons	8903..8974, 9021..9494, 9032..9499		

Seq. No.	2880	Seq. ID	OJ991012_08.0110.C3
Gene No.	6086	Strand	-
Start	15827	End	17670
Name	OJ991012_08.0110.C3.o4.gs	Method	GENSCAN
Start	15827	End	17670
GI	none	Score	.69
Exons	15827..16006, 16132..16306, 16522..16550, 16718..16781, 17375..17471, 17559..17670		

Seq. No.	2881	Seq. ID	OJ991012_08.0110.C4
Gene No.	6087	Strand	-
Start	115	End	190
Name	OJ991012_08.0110.C4.o1.gs	Method	GENSCAN
Start	115	End	190
GI	none	Score	1
Exons	115..190		

Seq. No.	2882	Seq. ID	OJ991012_08.0110.C5
Gene No.	6088	Strand	+
Start	1978	End	5345
Name	OJ991012_08.0110.C5.o2.np	Method	AAT/NAP
Start	1978	End	5345
GI	6006372	Score	141
Exons	1978..2042, 5101..5345		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	2882	Seq. ID	OJ991012_08.0110.C5
Gene No.	6089	Strand	+
Start	9166	End	12558
Name	OJ991012_08.0110.C5.o3.gs	Method	GENSCAN
Start	9166	End	12558
GI	none	Score	.6
Exons	9166..9916, 10430..10463, 11309..11571, 11773..11901, 12500..12558		

Seq. No.	2882	Seq. ID	OJ991012_08.0110.C5
Gene No.	6089	Strand	+
Start	9166	End	12558
Name	OJ991012_08.0110.C5.o1.gp	Method	AAT/GAP
Start	11121	End	12544
GI	4879074	Score	1110
Exons	11121..11233, 11335..11571, 11665..11901, 12515..12544		

Seq. No.	2882	Seq. ID	OJ991012_08.0110.C5
Gene No.	6090	Strand	-
Start	1	End	3668
Name	OJ991012_08.0110.C5.o1.np	Method	AAT/NAP
Start	1	End	3668
GI	2642157	Score	1405
Exons	1..42, 492..651, 1280..1390, 1737..2007, 2092..2241, 2961..3668		
GI Descrip.	(AC003000) unknown protein [Arabidopsis thaliana]		

Seq. No.	2882	Seq. ID	OJ991012_08.0110.C5
Gene No.	6090	Strand	-
Start	1	End	3668
Name	OJ991012_08.0110.C5.o4.tm	Method	TBLASTX:Maize
Start	1	End	659
GI	none	Score	65
Exons	1..42, 3..41, 470..652, 475..654, 483..659, 521..655		

Seq. No.	2882	Seq. ID	OJ991012_08.0110.C5
Gene No.	6090	Strand	-
Start	1	End	3668
Name	OJ991012_08.0110.C5.o2.tc	Method	TBLASTX:Cress
Start	470	End	659

GI	none	Score	109
Exons	470..652, 540..659		

Seq. No.	2882	Seq. ID	OJ991012_08.0110.C5
Gene No.	6090	Strand	-
Start	1	End	3668
Name	OJ991012_08.0110.C5.o4.ts	Method	TBLASTX:Soybean
Start	483	End	1383
GI	none	Score	45
Exons	483..512, 484..522, 485..652, 545..649, 546..659, 576..668, 1251..1382, 1275..1382, 1276..1383		

Seq. No.	2882	Seq. ID	OJ991012_08.0110.C5
Gene No.	6090	Strand	-
Start	1	End	3668
Name	OJ991012_08.0110.C5.o1.tc	Method	TBLASTX:Cress
Start	1275	End	3131
GI	none	Score	70
Exons	1275..1400, 1276..1482, 1735..1815, 1798..2001, 1832..2002, 2092..2244, 2120..2233, 2958..3023, 2965..3024, 3043..3126, 3045..3131		

Seq. No.	2882	Seq. ID	OJ991012_08.0110.C5
Gene No.	6090	Strand	-
Start	1	End	3668
Name	OJ991012_08.0110.C5.o1.tm	Method	TBLASTX:Maize
Start	1275	End	3135
GI	none	Score	170
Exons	1275..1400, 1735..2010, 1736..2005, 2092..2244, 2120..2242, 2958..3026, 2959..3027, 3043..3135, 3045..3131		

Seq. No.	2882	Seq. ID	OJ991012_08.0110.C5
Gene No.	6090	Strand	-
Start	1	End	3668
Name	OJ991012_08.0110.C5.o1.ts	Method	TBLASTX:Soybean
Start	1723	End	3029
GI	none	Score	186
Exons	1723..2004, 1736..2011, 2092..2244, 2123..2230, 2958..3029		

Seq. No.	2882	Seq. ID	OJ991012_08.0110.C5
Gene No.	6090	Strand	-
Start	1	End	3668
Name	OJ991012_08.0110.C5.o1.tw	Method	TBLASTX:Wheat
Start	1780	End	2190
GI	none	Score	113
Exons	1780..1974, 1796..1978, 2089..2190		

Seq. No.	2882	Seq. ID	OJ991012_08.0110.C5
Gene No.	6091	Strand	
Start	9751	End	11199
Name	OJ991012_08.0110.C5.o3.ts	Method	TBLASTX:Soybean
Start	9751	End	11199
GI	none	Score	110
Exons	9751..9846, 9765..9845, 10763..10873, 10764..10838, 10925..11023, 10926..11009, 11092..11199, 11106..11198		

Seq. No.	2882	Seq. ID	OJ991012_08.0110.C5

Gene No.	6091	Strand	
Start	9751	End	11199
Name	OJ991012_08.0110.C5.o2.tm	Method	TBLASTX:Maize
Start	10770	End	11157
GI	none	Score	125
Exons	10770..10841, 10772..10843, 10773..10841, 10778..10843, 10923..11009, 10923..11015, 10924..11016, 10925..11023, 11087..11152, 11092..11157, 11102..11152, 11106..11156		

Seq. No.	2882	Seq. ID	OJ991012_08.0110.C5
Gene No.	6092	Strand	
Start	11387	End	12603
Name	OJ991012_08.0110.C5.o5.tm	Method	TBLASTX:Maize
Start	11387	End	11692
GI	none	Score	270
Exons	11387..11569, 11388..11570, 11648..11692		

Seq. No.	2882	Seq. ID	OJ991012_08.0110.C5
Gene No.	6092	Strand	
Start	11387	End	12603
Name	OJ991012_08.0110.C5.o2.ts	Method	TBLASTX:Soybean
Start	11388	End	12603
GI	none	Score	189
Exons	11388..11570, 11389..11493, 11393..11569, 11431..11574, 11539..11574, 11663..11779, 11676..11789, 11721..11804, 11805..11930, 11807..11929, 12514..12603		

Seq. No.	2882	Seq. ID	OJ991012_08.0110.C5
Gene No.	6092	Strand	
Start	11387	End	12603
Name	OJ991012_08.0110.C5.o3.tm	Method	TBLASTX:Maize
Start	11720	End	12603
GI	none	Score	281
Exons	11720..11899, 11721..11930, 12499..12603, 12513..12557		

Seq. No.	2883	Seq. ID	OJ991012_08.0110.C6
Gene No.	6093	Strand	-
Start	1	End	250
Name	OJ991012_08.0110.C6.o1.np	Method	AAT/NAP
Start	1	End	250
GI	2642157	Score	66
Exons	1..99, 221..250		
GI Descrip.	(AC003000) unknown protein [Arabidopsis thaliana]		

Seq. No.	2884	Seq. ID	OJ991012_08.0110.C8
Gene No.	6094	Strand	+
Start	4120	End	4884
Name	OJ991012_08.0110.C8.o2.gs	Method	GENSCAN
Start	4120	End	4884
GI	none	Score	.85
Exons	4120..4884		

Seq. No.	2884	Seq. ID	OJ991012_08.0110.C8
Gene No.	6095	Strand	+
Start	5556	End	8574
Name	OJ991012_08.0110.C8.o3.gs	Method	GENSCAN
Start	5556	End	8574

GI	none	Score	.6
Exons	5556..5753, 5817..5916, 6755..6790, 7020..7157, 7359..7567, 7677..7738, 7934..8013, 8333..8574		

Seq. No.	2884	Seq. ID	OJ991012_08.0110.C8
Gene No.	6096	Strand	+
Start	9324	End	11220
Name	OJ991012_08.0110.C8.o2.gp	Method	AAT/GAP
Start	9308	End	11220
GI	19519_1.R1084	Score	2153
Exons	9308..9434, 9922..9984, 10075..10314, 10390..11220		
GI Descrip.	'4103324 1.0e-166 (AF022716) GDP-mannose pyrophosphorylase [Solanum tuberosum]'		

Seq. No.	2884	Seq. ID	OJ991012_08.0110.C8
Gene No.	6096	Strand	+
Start	9324	End	11220
Name	OJ991012_08.0110.C8.o1.np	Method	AAT/NAP
Start	9324	End	11058
GI	4103324	Score	1567
Exons	9324..9434, 9922..9984, 10075..10314, 10390..11058		
GI Descrip.	(AF022716) GDP-mannose pyrophosphorylase [Solanum tuberosum]		

Seq. No.	2884	Seq. ID	OJ991012_08.0110.C8
Gene No.	6096	Strand	+
Start	9324	End	11220
Name	OJ991012_08.0110.C8.o4.gs	Method	GENSCAN
Start	9324	End	11061
GI	none	Score	.99
Exons	9324..9434, 9922..9984, 10075..10314, 10390..11061		

Seq. No.	2884	Seq. ID	OJ991012_08.0110.C8
Gene No.	6097	Strand	+
Start	17040	End	19591
Name	OJ991012_08.0110.C8.o3.np	Method	AAT/NAP
Start	17040	End	19591
GI	4895205	Score	923
Exons	17040..17159, 17286..17336, 17826..17902, 18021..18108, 18761..19036, 19147..19591		
GI Descrip.	(AC007661) putative alcohol dehydrogenase [Arabidopsis thaliana]		

Seq. No.	2884	Seq. ID	OJ991012_08.0110.C8
Gene No.	6098	Strand	-
Start	1	End	3711
Name	OJ991012_08.0110.C8.o1.gp	Method	AAT/GAP
Start	1	End	1315
GI	uC-osflcyp021g03b1	Score	588
Exons	1..56, 542..606, 680..758, 939..1013, 1251..1315		
GI Descrip.	'2239179/emb|CAB10099.1| 2.0e-24 (Z97208) hypothetical protein [Schizosaccharomyces pombe]'		

Seq. No.	2884	Seq. ID	OJ991012_08.0110.C8
Gene No.	6098	Strand	-
Start	1	End	3711
Name	OJ991012_08.0110.C8.o1.gs	Method	GENSCAN
Start	675	End	3711
GI	none	Score	.73

Exons	675..758, 939..1013, 1251..1466, 1531..1754, 2178..2391, 3178..3711		
Seq. No.	2884	Seq. ID	OJ991012_08.0110.C8
Gene No.	6099	Strand	-
Start	12548	End	15348
Name	OJ991012_08.0110.C8.o2.tw	Method	TBLASTX:Wheat
Start	1	End	1402
GI	none	Score	71
Exons	1..69, 3..44, 531..602, 531..605, 536..622, 672..758, 681..758, 682..759, 683..766, 936..1016, 936..1016, 938..1036, 1248..1400, 1248..1397, 1249..1401, 1250..1402		
Seq. No.	2884	Seq. ID	OJ991012_08.0110.C8
Gene No.	6099	Strand	-
Start	12548	End	15348
Name	OJ991012_08.0110.C8.o4.tm	Method	TBLASTX:Maize
Start	572	End	3415
GI	none	Score	54
Exons	572..607, 575..622, 681..758, 681..758, 682..759, 936..1016, 936..1016, 938..1018, 1247..1420, 1248..1418, 1249..1560, 1468..1527, 1472..1582, 1548..1649, 1577..1669, 1585..1644, 1635..1754, 1636..1752, 1637..1759, 2169..2222, 2189..2224, 2212..2247, 2270..2323, 2295..2402, 2314..2400, 3178..3216, 3205..3288, 3217..3279, 3334..3369, 3334..3369, 3373..3414, 3380..3415		
Seq. No.	2884	Seq. ID	OJ991012_08.0110.C8
Gene No.	6099	Strand	-
Start	12548	End	15348
Name	OJ991012_08.0110.C8.o4.ts	Method	TBLASTX:Soybean
Start	1222	End	1419
GI	none	Score	74
Exons	1222..1305, 1239..1418, 1249..1419, 1345..1419		
Seq. No.	2884	Seq. ID	OJ991012_08.0110.C8
Gene No.	6099	Strand	-
Start	12548	End	15348
Name	OJ991012_08.0110.C8.o1.tm	Method	TBLASTX:Maize
Start	9205	End	10767
GI	none	Score	217
Exons	9205..9429, 9297..9437, 9320..9430, 9919..9987, 9921..9995, 10074..10316, 10074..10319, 10075..10320, 10368..10766, 10372..10767		
Seq. No.	2884	Seq. ID	OJ991012_08.0110.C8
Gene No.	6099	Strand	-
Start	12548	End	15348
Name	OJ991012_08.0110.C8.o1.ts	Method	TBLASTX:Soybean
Start	9301	End	10800
GI	none	Score	85
Exons	9301..9438, 9302..9433, 9320..9466, 9321..9437, 9919..9987, 9921..9986, 9942..10001, 10074..10247, 10074..10319, 10075..10320, 10341..10799, 10388..10528, 10390..10800		
Seq. No.	2884	Seq. ID	OJ991012_08.0110.C8
Gene No.	6099	Strand	-

Start	12548	End	15348
Name	OJ991012_08.0110.C8.o1.tc	Method	TBLASTX:Cress
Start	9320	End	11062
GI	none	Score	193
Exons	9320..9427, 9324..9437, 9324..9437, 9325..9438, 9919..9987, 9921..9986, 10074..10250, 10074..10319, 10075..10320, 10374..10955, 10383..11060, 10390..11061, 10835..11062		

Seq. No.	2884	Seq. ID	OJ991012_08.0110.C8
Gene No.	6099	Strand	-
Start	12548	End	15348
Name	OJ991012_08.0110.C8.o1.tw	Method	TBLASTX:Wheat
Start	10107	End	10410
GI	none	Score	73
Exons	10107..10319, 10111..10335, 10112..10315, 10114..10320, 10372..10410		

Seq. No.	2884	Seq. ID	OJ991012_08.0110.C8
Gene No.	6099	Strand	-
Start	12548	End	15348
Name	OJ991012_08.0110.C8.o3.tm	Method	TBLASTX:Maize
Start	10767	End	11074
GI	none	Score	499
Exons	10767..11060, 10768..11061, 10770..11069, 10829..11074		

Seq. No.	2884	Seq. ID	OJ991012_08.0110.C8
Gene No.	6099	Strand	-
Start	12548	End	15348
Name	OJ991012_08.0110.C8.o3.ts	Method	TBLASTX:Soybean
Start	10801	End	11066
GI	none	Score	406
Exons	10801..11061, 10801..10887, 10802..11059, 11007..11066		

Seq. No.	2884	Seq. ID	OJ991012_08.0110.C8
Gene No.	6099	Strand	-
Start	12548	End	15348
Name	OJ991012_08.0110.C8.o2.np	Method	AAT/NAP
Start	12548	End	15348
GI	4432840	Score	296
Exons	12548..12742, 13584..13716, 14838..14978, 15275..15348		
GI Descrip.	(AC006283) unknown protein [Arabidopsis thaliana]		

Seq. No.	2884	Seq. ID	OJ991012_08.0110.C8
Gene No.	6099	Strand	-
Start	12548	End	15348
Name	OJ991012_08.0110.C8.o4.tc	Method	TBLASTX:Cress
Start	12551	End	14974
GI	none	Score	63
Exons	12551..12721, 12552..12722, 12660..12743, 12662..12742, 13498..13722, 13581..13721, 14838..14954, 14840..14974		

Seq. No.	2884	Seq. ID	OJ991012_08.0110.C8
Gene No.	6099	Strand	-
Start	12548	End	15348
Name	OJ991012_08.0110.C8.o5.ts	Method	TBLASTX:Soybean
Start	12551	End	14968
GI	none	Score	136

Exons	12551..12721, 12662..12742, 13579..13722, 13579..13638, 13581..13721, 13613..13723, 14838..14954, 14840..14968		
Seq. No.	2884	Seq. ID	OJ991012_08.0110.C8
Gene No.	6100	Strand	
Start	17042	End	19400
Name	OJ991012_08.0110.C8.o3.tc	Method	TBLASTX:Cress
Start	17042	End	18063
GI	none	Score	156
Exons	17042..17113, 17043..17162, 17280..17339, 17826..17903, 17828..17905, 18022..18063		
Seq. No.	2884	Seq. ID	OJ991012_08.0110.C8
Gene No.	6100	Strand	
Start	17042	End	19400
Name	OJ991012_08.0110.C8.o5.tm	Method	TBLASTX:Maize
Start	17042	End	18802
GI	none	Score	188
Exons	17042..17116, 17043..17159, 17058..17159, 17271..17339, 17279..17368, 17823..17903, 17828..17905, 17839..17913, 18020..18103, 18025..18111, 18030..18107, 18761..18802		
Seq. No.	2884	Seq. ID	OJ991012_08.0110.C8
Gene No.	6100	Strand	
Start	17042	End	19400
Name	OJ991012_08.0110.C8.o2.ts	Method	TBLASTX:Soybean
Start	17043	End	19400
GI	none	Score	147
Exons	17043..17162, 17060..17116, 17280..17357, 17823..17903, 17828..17905, 18030..18107, 18031..18111, 18761..19036, 18766..19035, 19149..19400, 19156..19395		
Seq. No.	2884	Seq. ID	OJ991012_08.0110.C8
Gene No.	6100	Strand	
Start	17042	End	19400
Name	OJ991012_08.0110.C8.o2.tm	Method	TBLASTX:Maize
Start	18820	End	19400
GI	none	Score	361
Exons	18820..19032, 18821..19036, 18825..19037, 18832..19038, 19151..19369, 19152..19400, 19156..19395, 19158..19400		
Seq. No.	2884	Seq. ID	OJ991012_08.0110.C8
Gene No.	6100	Strand	
Start	17042	End	19400
Name	OJ991012_08.0110.C8.o2.tc	Method	TBLASTX:Cress
Start	18896	End	19395
GI	none	Score	171
Exons	18896..19036, 18898..19035, 19152..19382, 19156..19395, 19192..19389		
Seq. No.	2885	Seq. ID	OJ991012_08.0110.C9
Gene No.	6101	Strand	+
Start	1974	End	3347
Name	OJ991012_08.0110.C9.o1.gs	Method	GENSCAN
Start	1974	End	3347
GI	none	Score	.65
Exons	1974..1984, 2852..3007, 3209..3347		

Seq. No.	2885	Seq. ID	OJ991012_08.0110.C9
Gene No.	6102	Strand	+
Start	4705	End	8101
Name	OJ991012_08.0110.C9.o1.gp	Method	AAT/GAP
Start	4440	End	4992
GI	LIB3431-036-P1-K1-G6	Score	794
Exons	4440..4815, 4927..4992		
GI Descrip.	'4895205/gb|AAD32792.1|AC007661_29 4.0e-21 (AC007661) putative alcohol dehydrogenase [Arabidopsis thaliana]'		

Seq. No.	2885	Seq. ID	OJ991012_08.0110.C9
Gene No.	6102	Strand	+
Start	4705	End	8101
Name	OJ991012_08.0110.C9.o1.np	Method	AAT/NAP
Start	4696	End	8098
GI	4895205	Score	1010
Exons	4696..4815, 4927..4977, 5764..5840, 5959..6046, 6570..6845, 6965..7310, 8013..8098		
GI Descrip.	(AC007661) putative alcohol dehydrogenase [Arabidopsis thaliana]		

Seq. No.	2885	Seq. ID	OJ991012_08.0110.C9
Gene No.	6102	Strand	+
Start	4705	End	8101
Name	OJ991012_08.0110.C9.o2.gs	Method	GENSCAN
Start	4705	End	8101
GI	none	Score	.92
Exons	4705..4815, 4927..4977, 5764..5840, 5959..6046, 6570..6845, 6965..7213, 8018..8101		

Seq. No.	2885	Seq. ID	OJ991012_08.0110.C9
Gene No.	6102	Strand	+
Start	4705	End	8101
Name	OJ991012_08.0110.C9.o2.gp	Method	AAT/GAP
Start	5849	End	7037
GI	57518_1.R1084	Score	1034
Exons	5849..6046, 6570..6845, 6965..7037		
GI Descrip.	'3236259 8.0e-53 (AC004684) putative alcohol dehydrogenase [Arabidopsis thaliana] >gi_4895207_gb_AAD32794.1_AC007661_31 (AC007661) putative alcohol dehydrogenase [Arabidopsis thaliana]'		

Seq. No.	2885	Seq. ID	OJ991012_08.0110.C9
Gene No.	6103	Strand	-
Start	8953	End	9158
Name	OJ991012_08.0110.C9.o1.tm	Method	TBLASTX:Maize
Start	773	End	8139
GI	none	Score	128
Exons	773..859, 773..859, 6629..6841, 6630..6845, 6634..6885, 6788..6856, 6965..7213, 6967..7218, 6970..7218, 7985..8101, 8015..8134, 8016..8102, 8020..8139		

Seq. No.	2885	Seq. ID	OJ991012_08.0110.C9
Gene No.	6103	Strand	-
Start	8953	End	9158
Name	OJ991012_08.0110.C9.o1.tc	Method	TBLASTX:Cress
Start	812	End	7213

GI	none	Score	68
Exons	812..859, 6705..6845, 6707..6844, 6968..7213, 6970..7101, 7010..7207		

Seq. No.	2885	Seq. ID	OJ991012_08.0110.C9
Gene No.	6103	Strand	-
Start	8953	End	9158
Name	OJ991012_08.0110.C9.o2.tc	Method	TBLASTX:Cress
Start	4698	End	6001
GI	none	Score	163
Exons	4698..4778, 4699..4830, 4921..4980, 5764..5841, 5766..5843, 5960..6001		

Seq. No.	2885	Seq. ID	OJ991012_08.0110.C9
Gene No.	6103	Strand	-
Start	8953	End	9158
Name	OJ991012_08.0110.C9.o2.tm	Method	TBLASTX:Maize
Start	4698	End	6605
GI	none	Score	195
Exons	4698..4778, 4699..4830, 4921..4980, 5761..5841, 5761..5844, 5766..5849, 5958..6041, 5958..6041, 5963..6049, 6570..6605		

Seq. No.	2885	Seq. ID	OJ991012_08.0110.C9
Gene No.	6103	Strand	-
Start	8953	End	9158
Name	OJ991012_08.0110.C9.o1.ts	Method	TBLASTX:Soybean
Start	4699	End	7218
GI	none	Score	138
Exons	4699..4830, 4710..4778, 4921..4980, 5761..5841, 5766..5843, 5954..6046, 5960..6049, 6570..6845, 6575..6844, 6637..6846, 6651..6845, 6967..6987, 6968..6994, 6995..7213, 7001..7213, 7015..7218		

Seq. No.	2885	Seq. ID	OJ991012_08.0110.C9
Gene No.	6103	Strand	-
Start	8953	End	9158
Name	OJ991012_08.0110.C9.o3.gs	Method	GENSCAN
Start	8953	End	9158
GI	none	Score	.95
Exons	8953..9158		

Seq. No.	2886	Seq. ID	OJ991012_08.0110.C10
Gene No.	6104	Strand	-
Start	321	End	509
Name	OJ991012_08.0110.C10.o1.gs	Method	GENSCAN
Start	321	End	509
GI	none	Score	.99
Exons	321..509		

Seq. No.	2887	Seq. ID	OJ991112_03.0119.C1
Gene No.	6105	Strand	-
Start	299	End	756
Name	OJ991112_03.0119.C1.o1.np	Method	AAT/NAP
Start	299	End	756
GI	5922636	Score	84
Exons	299..756		
GI Descrip.	(AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a		

region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016869|dbj|BAA85212.1| (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	2888	Seq. ID	OJ991112_03.0119.C2
Gene No.	6106	Strand	+
Start	1506	End	4737
Name	OJ991112_03.0119.C2.o1.gs	Method	GENSCAN
Start	1506	End	4737
GI	none	Score	.49
Exons	1506..1561, 1596..1813, 2533..2653, 2822..3022, 3186..3267, 3276..3332, 3911..4045, 4085..4181, 4281..4737		

Seq. No.	2888	Seq. ID	OJ991112_03.0119.C2
Gene No.	6107	Strand	-
Start	1	End	2088
Name	OJ991112_03.0119.C2.o1.np	Method	AAT/NAP
Start	1	End	2088
GI	6721562	Score	503
Exons	1..244, 1334..2088		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	2889	Seq. ID	OJ991112_03.0119.C3
Gene No.	6108	Strand	+
Start	4876	End	9670
Name	OJ991112_03.0119.C3.o2.gs	Method	GENSCAN
Start	4876	End	9031
GI	none	Score	.54
Exons	4876..5004, 5264..5410, 7127..7187, 8544..8603, 8940..9031		

Seq. No.	2889	Seq. ID	OJ991112_03.0119.C3
Gene No.	6108	Strand	+
Start	4876	End	9670
Name	OJ991112_03.0119.C3.o1.np	Method	AAT/NAP
Start	6348	End	9670
GI	6721512	Score	75
Exons	6348..6376, 8138..8386, 9538..9670		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	2889	Seq. ID	OJ991112_03.0119.C3
Gene No.	6109	Strand	+
Start	9841	End	9930
Name	OJ991112_03.0119.C3.o3.np	Method	AAT/NAP
Start	9841	End	9930
GI	4680183	Score	120
Exons	9841..9930		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	2889	Seq. ID	OJ991112_03.0119.C3
Gene No.	6110	Strand	+
Start	10348	End	17074
Name	OJ991112_03.0119.C3.o4.np	Method	AAT/NAP

Start	10348	End	13168
GI	6815109	Score	147
Exons	10348..11325, 11370..11573, 13091..13168		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	2889	Seq. ID	OJ991112_03.0119.C3
Gene No.	6110	Strand	+
Start	10348	End	17074
Name	OJ991112_03.0119.C3.o4.gs	Method	GENSCAN
Start	11890	End	14207
GI	none	Score	.66
Exons	11890..12207, 12337..12897, 12927..13028, 13317..13508, 13605..14207		

Seq. No.	2889	Seq. ID	OJ991112_03.0119.C3
Gene No.	6110	Strand	+
Start	10348	End	17074
Name	OJ991112_03.0119.C3.o5.np	Method	AAT/NAP
Start	12158	End	17074
GI	4206306	Score	1511
Exons	12158..14400, 17021..17074		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	2889	Seq. ID	OJ991112_03.0119.C3
Gene No.	6110	Strand	+
Start	10348	End	17074
Name	OJ991112_03.0119.C3.o6.np	Method	AAT/NAP
Start	14449	End	15793
GI	6630699	Score	89
Exons	14449..14470, 15675..15793		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	2889	Seq. ID	OJ991112_03.0119.C3
Gene No.	6111	Strand	+
Start	17617	End	18961
Name	OJ991112_03.0119.C3.o8.np	Method	AAT/NAP
Start	17617	End	18961
GI	6630699	Score	80
Exons	17617..17675, 18878..18961		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	2889	Seq. ID	OJ991112_03.0119.C3
Gene No.	6112	Strand	-
Start	7747	End	9808
Name	OJ991112_03.0119.C3.o2.np	Method	AAT/NAP
Start	7747	End	9808
GI	6721561	Score	138
Exons	7747..7768, 9719..9808		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2889	Seq. ID	OJ991112_03.0119.C3
Gene No.	6113	Strand	-
Start	10381	End	11264
Name	OJ991112_03.0119.C3.o3.gs	Method	GENSCAN
Start	10381	End	11264
GI	none	Score	.89
Exons	10381..10679, 10725..10816, 10909..11264		

Seq. No.	2889	Seq. ID	OJ991112_03.0119.C3
Gene No.	6114	Strand	-
Start	14313	End	19873
Name	OJ991112_03.0119.C3.o5.gs	Method	GENSCAN
Start	14313	End	16124
GI	none	Score	.73
Exons	14313..14479, 15055..15144, 16064..16124		

Seq. No.	2889	Seq. ID	OJ991112_03.0119.C3
Gene No.	6114	Strand	-
Start	14313	End	19873
Name	OJ991112_03.0119.C3.o7.np	Method	AAT/NAP
Start	15933	End	18822
GI	5922620	Score	269
Exons	15933..16106, 16620..16783, 17416..17634, 18225..18304, 18672..18822		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	2889	Seq. ID	OJ991112_03.0119.C3
Gene No.	6114	Strand	-
Start	14313	End	19873
Name	OJ991112_03.0119.C3.o6.gs	Method	GENSCAN
Start	18554	End	19873
GI	none	Score	.63
Exons	18554..18742, 18872..18955, 19598..19798, 19850..19873		

Seq. No.	2889	Seq. ID	OJ991112_03.0119.C3
Gene No.	6115	Strand	-
Start	21279	End	27637
Name	OJ991112_03.0119.C3.o3.tw	Method	TBLASTX:Wheat
Start	5303	End	13325
GI	none	Score	310
Exons	5303..5371, 12972..13325, 12998..13324, 13032..13325		

Seq. No.	2889	Seq. ID	OJ991112_03.0119.C3
Gene No.	6115	Strand	-
Start	21279	End	27637
Name	OJ991112_03.0119.C3.o8.tw	Method	TBLASTX:Wheat
Start	12415	End	12768
GI	none	Score	70
Exons	12415..12540, 12546..12767, 12592..12768		

Seq. No.	2889	Seq. ID	OJ991112_03.0119.C3
Gene No.	6115	Strand	-